COMPLIMENTARY ISSUE!

THE SHOPPER'S GUIDE TO NEW PRODUCTS

FirstGlimpse®

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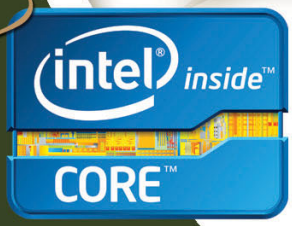

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HT CONNECTIVITY BENEFITS
IMAGE SENSOR QUALITY
TABLET ACCESSORIES
HEALTH & FITNESS DEVICES
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DECEMBER 2011

Since 1979, Sandhills Publishing has produced publications covering technology beginning with the introduction of *Processor*. Over the years, the company has developed a complete line of computing publications, encompassing *Smart Computing*, *PC Today*, *Computer Power User*, and *First Glimpse*. Our plain-English approach has served audiences well for 30 years, ensuring they receive accurate and unbiased technology information to meet their needs.

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FirstGlimpse

Volume 8 Issue 12

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Get Details On The Latest Product Arrivals

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Discover New Possibilities With Today's Technology

Connect Your Life

To make life a little less complicated, there are a variety of connected devices, technologies, and services you can use to your advantage. And with the right solution, you can tackle tasks regardless of where you are—at home, at work, on the road, or on the go. This is where you can discover the latest components to build a connected life and simplify how you retrieve information, enjoy entertainment, manage your life, communicate with others, and more.

The possibilities are limitless. No matter what you dream of doing, the world of consumer electronics can help you accomplish your goals.

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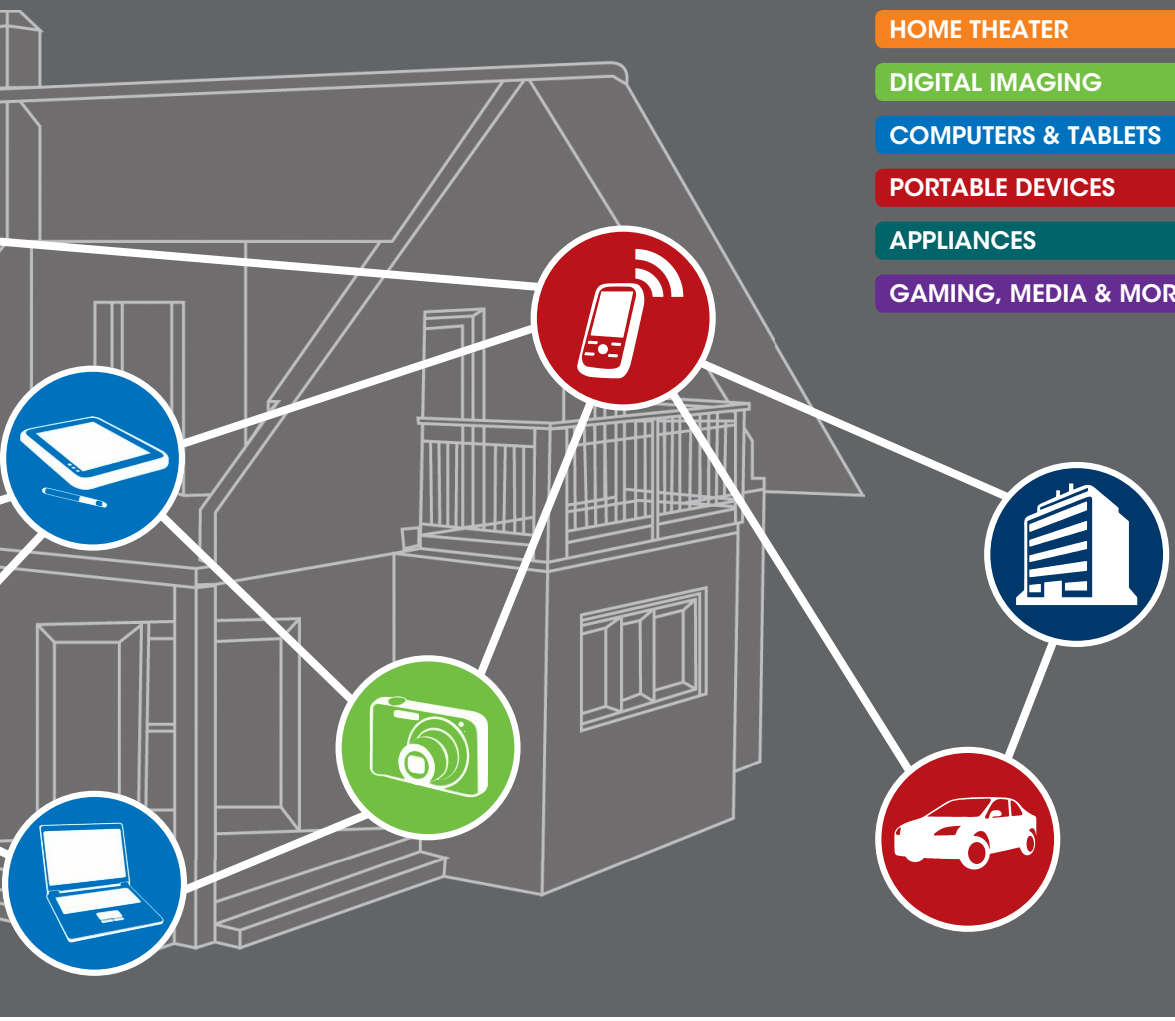

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Happy 10th Birthday Windows XP!

A decade ago, Microsoft unveiled Windows XP. To this day, the older-than-dirt (in software terms) OS is still running on a majority of the world's PCs, despite Microsoft's Vista (which released in 2007) and Windows 7 (which released in 2009). To help give you some perspective, consider that Windows XP predates 3G cellular networks, Facebook, Blu-ray Disc players, and Twitter. If you're still running it, an upgrade will let you see everything you've been missing.

Geographic Electronics

According to the most recent Nielsen Cross-Platform Report, geography may play a role in how you spend your leisure time. The survey found that watching TV is most popular in the south, and New Orleans watches the most. Baltimore's got game—this East Coast city boasts the most video game consoles. DVRs are most popular in Dallas, and Internet video is big with the Pacific (West) Region. Cell phones are most popular in Miami and Internet-enabled computers are a dime a dozen in Boston.

Source: Nielsen

TIDBITS

Nielsen reports that 38% of Americans own smartphones and there's an average of 35 apps installed on each device. They also spend two-thirds of their mobile phone time using apps.

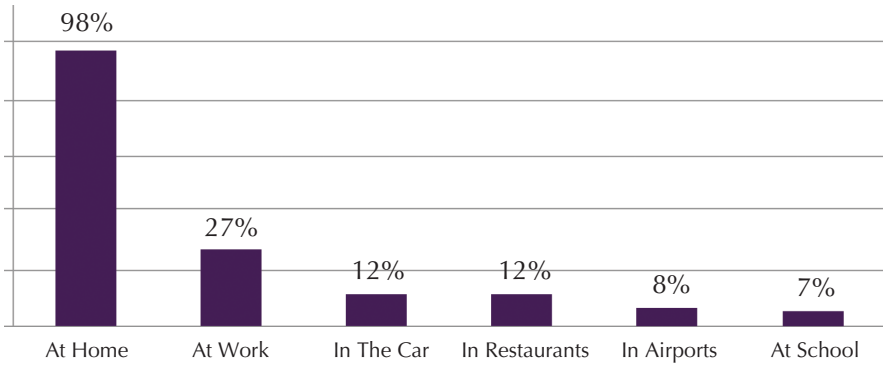
Retrevo reports that 66% of shoppers have made the trip to a store to get hands-on with a product and then purchased it at another store online. That percentage is significantly higher, 78%, among shoppers with a smartphone.

Where We Access Social Media

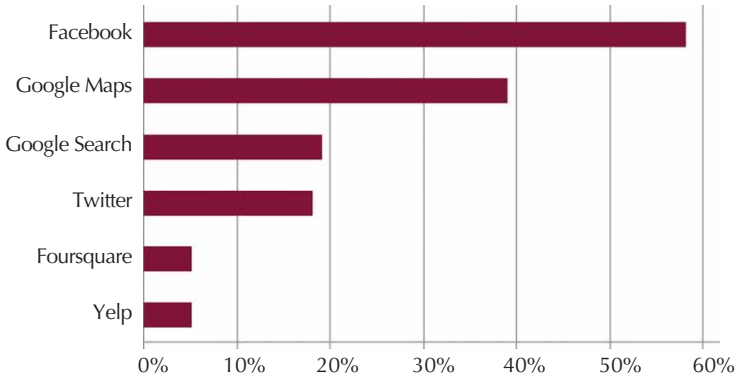
According to Nielsen, of those who access social media Web sites from a PC, tablet, or mobile device, nearly all of them (98%) do so at home. Almost a third of social networkers (27%) admitted they access social networking sites from work. 12% access the sites from the car and restaurants, 8% from airports, and 7% access social media while at school.

Source: Nielsen

The Places We Use Social Media



The Most Popular Apps



Popular Apps

Smartphone and tablet apps are popular with consumers, particularly social media apps. Nielsen recently conducted a survey to determine which apps were the most popular with the folks who download apps. According to the survey, more than half of all app users run the Facebook app, almost two of every five uses Google Maps, and almost one in five uses Google Search and Twitter. Yelp and Foursquare apps were used by 5% of the survey respondents.

Source: Nielsen

TIDBITS

The NPD Group recently surveyed kids on their gaming habits. Since 2009, the firm reports that the 2- to 17-year-old gaming population has grown 12.68%, while the total population growth of that age range has risen just 1.54%.

According to publishers, ebook sales are way up. Bloomsbury Publishing (the UK publisher of the "Harry Potter" series), for instance, reports that its ebook sales are up 564% in its most recent six-month period.

The Advantages Of Online & In-Store Combined

Go Beyond The Store

When you walk into a brick-and-mortar store, you can see or try out a number of devices in person before you make a decision. However, when that store also has an online presence—a brick and click, if you will—you're put in a better position to buy.

OPEN

Inventory Plus

A store's Web site may offer even more of a CE selection than its physical stores. In fact, some of the items sold online may not be available in the company's brick and mortar locations.

With a Web site as a virtual storefront, a retailer gives you more choices than its physical stores can hold. That means you'll be able to choose a CE device that better fits your needs because you won't be limited to what's in stock at a nearby location.

Smart Shipping

Some brick and click vendors give you an intriguing option you won't find at any e-tailer's site. An arrangement such as Best Buy's Ship to Store lets you make a purchase online and have it delivered to a store in your area.

One major reason to use a service like this: At Best Buy, you won't have to pay shipping fees on any Ship to Store purchase. That's a pretty big deal when you're buying a bulky, heavy item such as an HDTV or an appliance.

Check It Out

Another good reason to order something online and pick it up at a store: You can look the item over before you take it home. While you're there, you can ask a sales associate questions about your purchase, consider compatible components available in store, pick up accessories, and so on. Ship to Store likewise avoids the problems of a package that can be delivered to the wrong address, left out in the elements, or even stolen.

CinemaNow Brought To You By Intel Insider

Enjoy HD Movies

IN 1080P ON YOUR PC

With an Intel 2nd Gen Core laptop, you have a front row seat to the latest movies in Full HD, such as "Harry Potter and the Deathly Hallows" and "Rise of the Planet of the Apes." Just visit Best Buy CinemaNow (www.cinemanow.com/intelinsider) on your PC to browse the movies that you can watch in gorgeous 1080p high definition.

Intel Insider

Built into Intel's 2nd Gen Core i3, i5, and i7 processors, Intel Insider makes it possible to watch premium HD media on your computer. Look for a PC with a 2nd Gen Intel Core processor to enjoy full HD movies on the Best Buy CinemaNow Web site, www.cinemanow.com/intelinsider.

Best Buy CinemaNow

Thanks to Intel Insider's secure connection between your laptop and the Best Buy CinemaNow service, you can unlock a world of Full HD 1080p content. On an Intel 2nd Gen Core based-PC (see page 40) with Intel Insider, you'll be able to buy or rent new releases and classic movies* via Best Buy CinemaNow.

Watch HD Movies On Your TV

To make the most of Intel Insider technology and Best Buy CinemaNow, some Intel 2nd Gen Core notebooks offer Intel Wireless Display technology. This lets you wirelessly send HD media playing on your PC to the biggest screen in your house—your HDTV.

Ultrabook

Intel Insider technology can also be experienced on an ultrabook, a new laptop breed that's stylish, light, and sleek and doesn't compromise performance. Just in time for the holidays, you can choose from the Asus UX31 or Toshiba Z835 ultrabooks to enjoy what Intel Insider and Best Buy CinemaNow has to offer.

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*Availability of content may vary.

Home Theater

Holiday Gifts

A home-theater gift is a great way to help the entertainment buff on your list get started on or add to an existing home-theater setup. Here's a look at some ideas.

Yamaha RX-V371 A/V Receiver
MSRP:$249.95 | SKU: 2052194

Sound System

Anyone that relies on their TV's built-in speakers for sound can be given a better audio solution with true surround sound. An HTiB (home theater in a box) packages everything they need for an immersive audio experience, including an A/V receiver, speakers, subwoofer, and oftentimes a DVD or BD player.

BD Player

Many Blu-ray Disc players support the latest technologies to hit home theaters, including 3D video and Internet connectivity. Give a model with Internet capabilities, and your loved one will be able to expand their content options by streaming video and music from online sources or their PC.

A/V Receiver

Today's A/V receivers include support for the newest surround-sound formats, such as Dolby TrueHD and DTS-HD Master Audio, for enhanced audio playback. Many are also 3D content-ready and support nontraditional audio connections, such as an MP3 player or satellite radio with special ports or docks.

HDMI Cable

Because HD devices such as BD players, game consoles, and laptops, typically don't include an HDMI cable, they make a great stocking stuffer for a recipient that's adding new HD components to their home theater. Only an HDMI cable will ensure they enjoy optimal audio and video in their home theater.

Benefits Of A Connected Home Theater

Power Unleashed

Tons of home-theater equipment—HDTVs, Blu-ray Disc players, A/V receivers, and more—now come with Internet connectivity support over a wireless or wired network. Here's a short list of reasons why you should hook your HT up to the Web.

Toshiba Portege Z835 Ultrabook

Microsoft Xbox 360 4GB Console with Kinect
MSRP: $399.99 | SKU: 1162439

More Media Options

Movies and recent and classic TV shows await! There's an abundance of online services offering great titles to instantly stream or download. For instance, with an Intel 2nd Gen Core processor PC and the Best Buy CinemaNow service (see page 41), you'll always have front-row seats to enjoy Full HD content.

Keep In Better Touch

Certain home-theater gadgets give you quick access to popular social networking sites, such as Facebook and Twitter, so you can keep up on your friends and family members from the best seat in the house. Some even let you check email and tap into photo- and video-sharing sites.

Get Your Web Fix

Not every online entertainment source can fit into a friendly, on-screen menu or is made available via a widget, so select home-theater devices give you free rein on the Internet. You'll be able to surf the Web just like you would on a computer to access media, find information, and more.

Access Your Media Files

Bring your own collections to the fore. Many networkable TVs, disc players, and game consoles such as the Xbox 360 on page 70, can tap into the music and video files you've stored on your networked computers. Your big screen, sound system, and comfy couch can make your media more enjoyable than ever.

Just As Important As Video

Home Theater Audio

You might have settled for the audio from your HDTV's integrated speakers, but by combining your HDTV with a dedicated audio system, you can greatly enhance your home-theater experience. Read on to learn the benefits.

Best In Sound

Pairing an HDTV with dedicated speakers, whether bought separately or in an HTiB, means sound quality. Built-in HDTV speakers typically lack the richness, fidelity, booming bass, and power of standalone speakers. Further, built-in speakers located in the side or bottom panels of TVs might not aim audio directionly toward you.

Built For Space

Compared to speakers connected to an A/V receiver, built-in HDTV speakers are underpowered. If an HDTV is located in a medium- or large-sized room, you need an increase in volume to compensate. This can overwork built-in TV speakers and cause distortion or produce an overall flat, unsavory tone.

Full Immersion

Most HD content uses a surround-sound audio format that integrated TV speakers can't accurately reproduce. If you opt for a true surround- sound system, such as a 5.1- or 7.1-channel speaker setup, you can immerse yourself in a film's driving rain and exploding bombs or a concert's buzzing crowd and instrumental power.

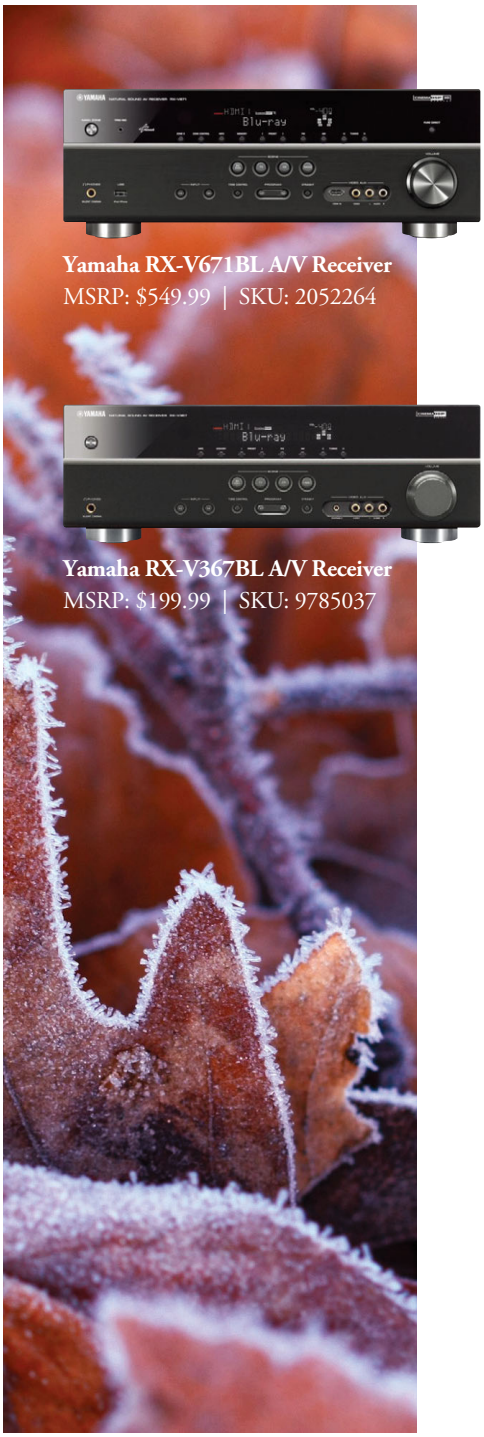
Simulated vs. True

Unlike a 5.1- or 7.1-channel speaker system placed in a home theater to create a true surround sound environment, HDTV speakers typically rely on various technologies to simulate inferior surround sound. Soundbars also simulate surround sound, but typically integrate more powerful speakers and a separate subwoofer.

Essential Things To Know

A/V Receivers

An A/V receiver is the center of your home theater's audio setup. It acts as a control hub for all of your HT devices, such as a BD player, game console, or surround-sound speakers, and routes the appropriate audio and video signals to each device.



Yamaha RX-V671BL A/V Receiver
MSRP: $549.99 | SKU: 2052264

Yamaha RX-V367BL A/V Receiver
MSRP: $199.99 | SKU: 9785037

Do A/V receivers come with built-in disc players?

Yes, HTiB (home theater in a box) systems often include the receiver, speakers, and some type of disc player, whether it's DVD or Blu-ray Disc. But you can also buy a standalone receiver and connect your own disc player and speakers.

What other devices can I connect to an A/V receiver?

As long as the receiver has the right inputs, you can connect MP3 players, video game consoles, video cameras, and more. Some receivers even support satellite radio.

What types of audio and video connections do A/V receivers have?

Most A/V receivers have HDMI, optical digital audio, and stereo analog connections as well as a variety of other inputs and outputs.

What does it mean if a receiver has 3D pass-through?

It means you can run a 3D Blu-ray Disc player through the A/V receiver to your TV, so you can receive Full HD, 3D video.

What is the difference between 5.1-channel, 7.1-channel, etc.?

The first number, for example the '5' in 5.1, tells you that the receiver supports up to five satellite speakers; the second number, '1' in most cases, means it supports one subwoofer.

Why are watts important and how much wattage do I need?

A receiver's wattage implies how much volume it can handle. Each speaker has a specific wattage, which adds up to the total wattage of the system. The amount of watts you need depends on how loud you want your system to be.

Audio & Video The Way It Should Be

HDTV Calibration

Out of the box, an HDTV's audio and video settings are programmed to make it look and sound the best in a retail environment. Because it's unlikely your home theater is noisy and fluorescent-lit, you need your HDTV professionally calibrated to match its unique setting.

See In-Store **DEMO**

Service Details

- An ISF-certified installer will visit your home and optimize your HDTV's audio and video so you can enjoy content the way it's intended to be heard and seen.
- Using professional calibration tools, the installer will adjust video settings to meet ISF standards on two different source inputs.
- To create a tidy home-theater appearance, the installer will dress all cables and wires behind your HDTV.
- Any special features or capabilities of your HDTV's remote control that may be helpful to you now or in the future will be explained by the installer.

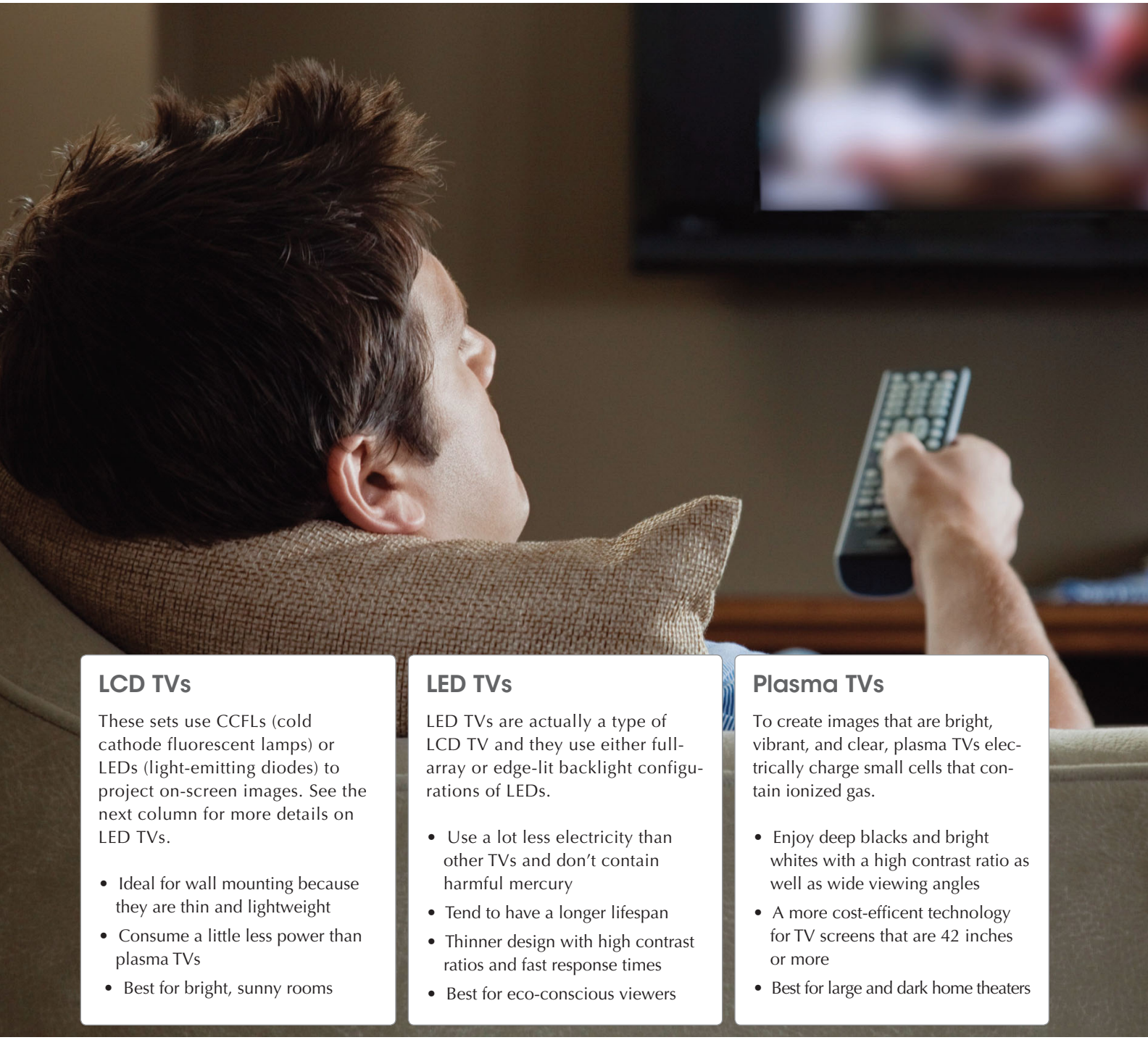
Calibration Benefits

- Overall, the quality of your HDTV's on-screen images will be better and look more true to life. Notably, skin tones and snow scenes won't appear off-color.
- To ensure a fully immersive audio experience, your surround-sound speaker levels will be optimized and the position of your speakers will be checked.
- Your TV's contrast will yield brighter whites and darker blacks, letting you see details you wouldn't have noticed before.
- Cable management makes it easy to identify inputs and outputs and keeps your home-theater setup tidy.

Screen Technology Differences

HDTVs

To pinpoint the best HDTV screen technology for your needs, you should consider the type of content you want to watch and the location in which you'll put your TV. Here's a look at what sets screen types apart, their benefits and drawbacks, and situations where they're ideal.



LCD TVs

These sets use CCFLs (cold cathode fluorescent lamps) or LEDs (light-emitting diodes) to project on-screen images. See the next column for more details on LED TVs.

- Ideal for wall mounting because they are thin and lightweight
- Consume a little less power than plasma TVs
- Best for bright, sunny rooms

LED TVs

LED TVs are actually a type of LCD TV and they use either full-array or edge-lit backlight configurations of LEDs.

- Use a lot less electricity than other TVs and don't contain harmful mercury
- Tend to have a longer lifespan
- Thinner design with high contrast ratios and fast response times
- Best for eco-conscious viewers

Plasma TVs

To create images that are bright, vibrant, and clear, plasma TVs electrically charge small cells that contain ionized gas.

- Enjoy deep blacks and bright whites with a high contrast ratio as well as wide viewing angles
- A more cost-efficent technology for TV screens that are 42 inches or more
- Best for large and dark home theaters

Watch True-To-Life Video On An

LCD Or LED TV

If you're shopping for an LCD TV, the first thing you should know is that an LED TV is actually a type of LCD TV. What makes them different are the light technologies they use to project images, as detailed below. While you're here, take a look at what else sets LCDs apart.

		Light projection	Size	Dimensions; Weight***	Native resolution	Viewing angle	Inputs & Outputs	Refresh rate**
	What It Means	How images are projected on-screen; type of backlight an LED-LCD uses	The diagonal measurement of the TV's screen	Height x width x depth; How much the TV weighs	A fixed TV resolution; images are best displayed in this	The angle at which the viewer can see the screen clearly	Inputs let you connect devices; Outputs transfer information to peripherals	Speed at which a screen is redrawn every second
	Samsung LN46D630 MSRP: $999.99* SKU 2122306	CCFL	46 inches	26.5x43.9x 3.2 inches; 41.2 pounds	1080p	N/A	4 HDMI, 2 Component, 2 Composite, 1 PC, 2 USB; 1 audio out	120Hz
	Toshiba 55G310U MSRP: $1,299.99* SKU 2363655	CCFL	55 inches	33.49x52.8x 4.09 inches; 66.8 pounds	1080p	N/A	3 HDMI, 1 Component, 1 PC, 1 USB; N/A	120Hz
	RCA LED42A55R120Q MSRP: $679.99* SKU 2877143	LED (edge-lit)	42 inches	26.9x39.9x 2 inches; 34.5 pounds	1080p	168 degrees	4 HDMI, 1 Component, 1 Composite, 1 PC; N/A	120Hz
	Westinghouse LD-4655VX MSRP: $799.99* SKU 1997794	LED (edge-lit)	46 inches	26.9x43.2x 2.14 inches; 35.3 pounds	1080p	176 degrees	2 HDMI, 1 Component, 1 Composite, 2 PC; 2 audio outs	120Hz
	LG 55LW6500 MSRP: $2,699* SKU 2355204	LED (edge-lit [LED Plus])	55 inches	30.9x51.12x 1.25 inches; 48.5 pounds	1080p	N/A	4 HDMI, 2 Component, 1 PC, 2 USB; 1 digital audio out	240Hz
	Sony KDL60NX720 MSRP: $3,499.99* SKU 2371038	LED (edge-lit)	60 inches	31.75x50.5x 1.12 inches; 50.9 pounds	1080p	178 degrees	4 HDMI, 1 Component, 2 Composite, 2 USB, 1 PC; 1 digital audio out, 1 audio out	120Hz
	Sharp AQUOS LC-80LE632U MSRP: $4,999.99* SKU 3552918	LED (edge-lit)	80 inches	33x54.45x 2.84 inches; 65.7 pounds	1080p	N/A	4 HDMI, 1 Component, 1 Composite, 1 PC, 2 USB; 2 audio outs	120Hz
	Elite PRO-60X5FD MSRP: $5,499* SKU 3143429	LED (full-array)	60 inches	33.5x55.12x 3 inches; 66.1 pounds	1080p	176 degrees	4 HDMI, 1 Component, 1 Composite, 2 USB, 1 PC; 1 digital audio out	240Hz

LED-LCD

*Prices listed in this issue are for general reference and may vary from retailer pricing.
***Unless specified, this is without stand

**Comparing refresh rates between plasma and LCD TVs is like comparing apples to oranges. For more in-depth information about refresh rates, please ask a sales associate.

Experience Bold & High-Contrast Color On A

Plasma TV

If you're planning to buy a plasma HDTV, it might be hard to decide on one just by looking at a wall of gorgeous sets. Refer to this chart for further help when shopping.

		Size	Dimensions; Weight***	Native resolution	Viewing angle	Inputs	Outputs	Refresh rate**
	What It Means	The diagonal measurement of the TV's screen	Height x width x depth; How much the TV weighs	A fixed TV resolution; images are best displayed in the native resolution	The maximum angle at which the viewer can see the screen clearly	Inputs let you connect your components to your TV	Outputs transfer information from your TV to peripherals, such as audio to speakers	Speed at which a screen is redrawn every second
	Insignia NS-42P650A11 MSRP: $499.99* SKU 9748831	42 inches	24.9x40.6x 2.8 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite	2 audio	600Hz
	Insignia NS-50P650A11 MSRP: $697.99* SKU 9745916	50 inches	31.3x47.4x 2.8 inches; 50.7 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite	2 audio	600Hz
	Panasonic VIERA TC-P46X3 MSRP: $699.99* SKU 2125242	46 inches	27.7x44.4x 3.7 inches; 58.5 pounds	720p	N/A	2 HDMI, 1 Component, 1 Composite, 2 USB, 1 Ethernet	1 audio	600Hz
	Samsung PN51D450A2 MSRP: $799.99* SKU 2135081	51 inches	27.9x46.9x 2.3 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite, 1 USB	1 audio	600Hz
	Samsung PN51D490A1 MSRP: $899.99* SKU 2135072	51 inches	27.9x46.9x 2.3 inches; 49.6 pounds	720p	N/A	2 HDMI, 2 Component, 1 Composite, 1 USB	1 audio	600Hz
	Panasonic VIERA TC-P55ST30 MSRP: $1,799.99* SKU 2201056	55 inches	32x52.2x 2.8 inches; 72.8 pounds	1080p	N/A	3 HDMI, 1 Component, 1 Composite, 2 USB, 1 Ethernet	1 audio	600Hz
	LG 50PZ950 MSRP: $1,899.99* SKU 2355222	50 inches	28.3x46.7x 2 inches; 62.2 pounds	1080p	N/A	4 HDMI, 2 Component, 2 Composite, 2 USB, 1 PC, 1 Ethernet	1 audio	600Hz
	Samsung PN59D6500D MSRP: $2,199.99* SKU 2254075	59 inches	32.6x54.3x 1.5 inches; 67.5 pounds	1080p	N/A	4 HDMI, 2 Component, 1 Composite, 1 USB, 1 PC, 1 Ethernet	1 audio	600Hz

*Prices listed in this issue are for general reference and may vary from retailer pricing.
***Unless specified, this is without stand

**Comparing refresh rates between plasma and LCD TVs is like comparing apples to oranges. For more in-depth information about refresh rates, please ask a sales associate.

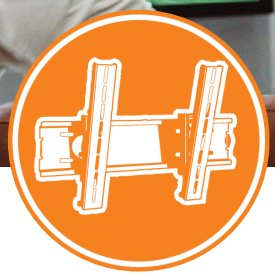
Essential

Accessories

As you head toward the HDTV section of your local CE retailer, you'll pass shelves filled with HDTV accessories. To get the most out of your HDTV, you should invest in some key accessories for a complete home-theater setup.

Universal Remote Controls

Rather than rely on multiple remote controls to take command of your various home-theater devices, you can streamline your setup with one remote to control them all. Many models are programmable, so you can simultaneously perform functions with a single button.



Wall Mounts

To free up additional floor space, achieve a modern home-theater aesthetic, or view your HDTV from the best possible angle, consider an HDTV wall mount. With the right model, you can swivel and pull your television away from a wall, or vertically and horizontally adjust it to fit your needs.

Surge Protectors & Power Conditioners

With a surge protector, you can protect your home-theater devices from damage caused by electrical fluctuations. Further, a power conditioner will filter out "dirty power" (also known as electrical interference) that can degrade your audio and video.

Audio Add-Ons

While you can use your HDTV's built-in speakers for audio, they don't provide the best entertainment experience. Instead, you should pair your TV with an audio solution that can reproduce sound qualities you might otherwise miss. Options include an HTiB (home theater in a box), sound bar, or individual speaker components.

HDTV

Glossary

Balderdash! OK, HDTV jargon isn't quite that bad, but there are a few terms that every shopper needs to know. Here is your cheat sheet.

aspect ratio—Put simply, it's the shape of the TV's screen. An HDTV has a wider picture than a traditional TV of the same vertical screen height. An HDTV has a 16:9 aspect ratio, meaning that if its screen were 16 inches wide, it would be 9 inches tall. A regular 4:3 TV screen would be 12 inches wide at the same 9-inch height.

HDMI (High-Definition Multimedia Interface)—A type of cable connection that carries both high-resolution video and uncompressed multichannel audio between HDTVs, home-theater receivers, and the other components required for your home-theater setup. HDMI cables maintain top picture and sound quality.

HD tuner—A built-in tuner for receiving local high-def broadcast TV channels. You won't need one if you have cable or satellite service. Most HDTVs include one, but separate HD tuners and antennas are available if your TV doesn't have one.

interlaced—When an HDTV displays an interlaced image, as in 1080i or 480i resolutions, it really shows you every other horizontal line of a frame of video (called a field) at a time. Sixty times a second, the TV displays the other field of the frame, or the lines not shown in the previous field. Interlaced video can appear to flicker or might cause moving objects on-screen to have blurred edges.

LCD (liquid-crystal display)—Like a notebook's screen, an LCD HDTV uses a fluid crystal substance to form pixels of color in front of a backlight. LCDs may not be able to match plasma TVs' deep black and gray areas, but they're lighter, sometimes less fragile, and considered easier to set up. These work better in brighter rooms or if you will be playing unchanging images on the screen for an extended period of time.

plasma—Plasma TVs use a tiny tube of gas for each pixel, and electricity makes each pixel glow. Plasmas create deeper blacks and sometimes brighter colors than LCDs and have better contrast. These also offer slightly better viewing angles. However, older or less expensive models can also suffer from permanent screen damage if an unchanging image, such as a TV channel's stock ticker or parts of certain video games, is displayed too long.

progressive scan—A TV showing a progressively scanned image, as in 1080p or 720p resolutions, displays a full frame of video (both odd-lined and even-lined fields) all at once. Progressive scan video looks sharper than interlaced does and doesn't flicker.

projection—Some large-screen HDTVs offer lower-priced alternatives to LCDs or plasmas by using projection technologies. These technologies vary, but all projection TVs throw light on a screen from the front or rear. This means they are bulkier than plasmas or LCDs, but some sets have stellar picture quality.

viewing angle—No matter where you sit in front of an HDTV with a wide viewing angle, such as 170 degrees, its picture should look reasonably good. Test this before you buy.

widescreen—A TV or monitor that's wider horizontally in relation to its vertical height. HDTVs typically have a 16:9 aspect ratio rather than an older 4:3 display.

Olympus PEN E-PM1

Pack Small.

SHOOT BIG.

OLYMPUS PEN

New Generation System Cameras

Interchangeable lenses, professional image quality, creative freedom, and point-and-shoot portability. The Olympus PEN E-PM1 ($499.99; www.olympusamerica.com/pen) delivers the performance of a D-SLR packed inside the body of a point-and-shoot camera. Here's a look at what this camera has to offer.

Olympus PEN E-PM1 | MSRP: $499.99 | www.olympusamerica.com/pen

Small & Savvy

Featuring the lens-swapping capabilities of a D-SLR and the portability of a point-and-shoot, the Olympus PEN E-PM1 includes a high-performance 12.3 Live MOS sensor that delivers professional-quality photos. You can take advantage of iAuto and 23 Scene-Select modes to quickly adjust the camera's settings to match your shooting environment. Plus the six in-camera Art Filters give you greater artistic license in your still images and HD video (1080 60i).

Easy To Use

A fast autofocus speed ensures that every holiday picture you snap at your winter cabin or family sledding adventure is crystal clear. What's more, you can take vibrant shots of subjects that are dimly lit. You can also preview unique effects using the Live Guide feature on the camera's 3-inch, high-resolution widescreen LCD. Finally, recording AVCHD and AVI video is made simple with single button touch.

Functional Style

To accommodate different style preferences, the PEN E-PM1 is available in six different colors. The black model is available in stores while the colorful brown, pink, purple, silver, and white models are featured online. And while the PEN E-PM1's intuitive interface can turn a novice photographer into a professional, you can also enhance your creativity with a telephoto zoom 40 - 150mm lens (80 - 300mm 35mm equiv.), so you can get closer to the action ($199.99 with purchase of E-PM1).

Olympus Tough TG-610

Built To Be Lifeproof

To ensure a loved one can capture all of life's adventures, no matter the conditions they encounter, they need a tough camera. Give them an Olympus TG-610 ($279.99; www.olympus.com) for the holidays and they won't miss a moment despite spills, thrills, or chills.

Olympus TG-610 | MSRP: $279.99 | www.olympus.com

Snap Photos Anywhere

Before they set foot into the winter wonderland, they won't have to think twice about how their camera will hold up. The 14MP TG-610 is Freezeproof and can endure temperatures as low as 14 degrees Fahrenheit. This will let them shoot candid shots of friends and family as they race sleds down a hill and build snow people.

Because it's also Waterproof down to 16 feet, the TG-610 is an ideal summer vacation companion. During a snorkeling session, they can snap unique underwater photos of the colorful fish and coral they encounter. And if they accidentally drop their camera on a boat deck, the TG-610 is Shockproof and can sustain drops from up to 5 feet.

Smart Features

While the TG-610's tough exterior can handle life's adventures, it also offers smart, intuitive features to help your loved one capture high-quality images. With its 5x wide-angle optical zoom lens, they'll be able to photograph faraway subjects with an up-close perspective. Lifelike 720p HD video and 3D images can also be captured with the TG-610 to later enjoy on compatible devices, such as HDTVs or computers.

If they want to view photos on the extra-wide 3-inch, high-resolution LCD, or adjust camera settings, they can tap the top, back, and sides of the TG-610. The Tap Control feature eliminates the need to press buttons or navigate menus, making it ideal for when they're wearing gloves or shooting underwater.

Digital Imaging

Holiday Gifts

Whether your holiday gift list includes a kid with an active imagination, new parents, a golfing enthusiast, or a budding photographer, one of the following digital imaging gifts is sure to please.

Olympus PEN E-PM1 | MSRP: $499.99 | SKU: 3560247

Digital Photo Frame

Parents can display photos and videos of their kids with a digital photo frame. Most offer internal memory to save files and memory card slots to load files. A USB port will let them directly upload files from a camera or computer. Touchscreens, remote controls, and wireless connectivity are also available features.

Shoot & Share Camcorder

With their easy operation, a shoot and share camcorder is ideal for the creative kid on your list who dreams of making movies. Look for camcorders that offer HD-quality video and still image capture as well as low-light recording, image stabilization, and touchscreen operation.

Compact System Camera

Sporting interchangeable lenses, D-SLR-like photo quality, and a travel-friendly size, this newer style of digicam can give the photographer in the family more creative control to produce photos with a professional look. Many also record HD video, such as the Olympus PEN E-PM1 on page 20.

Golf Range Finder

An ideal stocking stuffer for the serious golfer, golf range finders help pinpoint the yards remaining between a golfer and the flag, often to within a yard. Beyond compensating for upward and downward slopes, models may include magnification, LCDs, and a durable weatherproof exterior.

Compact System Camera Benefits

Best Of Both Worlds

Compact system cameras fall between point-and-shoots and D-SLRs in stature, while providing many features of both. Here's a short list of what they have to offer.

Olympus PEN E-PM1
MSRP: $499.99 | SKU: 3560265

Size

Compact system cameras are slightly larger than point-and-shoots, but smaller and lighter than most D-SLRs. They're not made to slip into your pocket, although they do travel well in a purse or bag. It's this portability that lets a compact system come with you where a D-SLR would simply be too bulky.

Lenses

Like a D-SLR, a compact system camera lets you change its lenses. For example, you can use a telephoto lens to zoom in on your daugter at her school play. Later, at the wrap party, switch to a wide-angle lens to capture a photo of the entire cast in the confines of a restaurant booth.

Image Quality

The larger body of a compact system camera allows it to come with a bigger image sensor than a point-and-shoot. Bigger sensors can take clearer, cleaner photos and videos. They also tend to have larger pixels and a higher dynamic range, so the colors in your images will look more true to life.

Depth Of Field

With a compact system camera, you may have more flexibility in setting the range of focus in an image than you would with a point-and-shoot. For instance, if you're shooting a portrait with a compact system camera, you might find it easier to set a shallow depth of field and soften the focus everywhere but your subject's face.

Multiple Factors Affect Performance

Memory Cards

Not all memory cards are created equal; the differences in capacity, read/write speed, and class all have a bearing on what they can do and, therefore, which one you'll want for your particular device and needs.

Kingston 32GB SDHC Ultimate X Class 10 Memory Card | MSRP: $42.99 | SKU: 2662308

Class

Although a memory card's speed rating tells you something about how well it should perform, the class rating is also very important, as that specification tells you the minimum sustained read/write speed of SD, SDHC, and SDXC cards. Different cards with the same class rating may have higher or lower maximum speed ratings than one another, but their minimum speeds should be the same. Currently, memory cards come in Class 2 (2MBps), 4 (4MBps), 6 (6MBps), and 10 (10MBps).

Speed Ratings

The speed rating of a given memory card, expressed in MBps (megabytes per second), tells you its maximum read/write speed. A card's speed affects several performance factors, such as shot-to-shot lag and how quickly you can transfer files from the memory card to your computer. A card with a higher speed rating is better, as it will take less time to read and write data to the card in both of these situations.

Capacity

Storage capacity is a key consideration when choosing a memory card. It's particularly important for those with heavy-duty data demands, such as videographers and photographers shooting in HD or 3D. While a Class 10 card will offer the best possible performance to record high-quality media, you also need a card with a substantial amount of storage capacity so you can continue shooting for long periods of time without swapping out a full card for a new one every few minutes.

Great Photos Start Here

Image Sensors

The "megapixel myth" is the idea that a camera with a high number of megapixels automatically takes better pictures than those with fewer. But great photos depend more on the quality of the camera's lenses and the image sensor behind them than megapixels alone.

Olympus PEN E-P3 | MSRP: $899.99 | SKU: 3551773

Image Sensors

Often called CMOSes or CCDs, an image sensor is a chip that turns light into electronic signals which is saved as digital data on a camera's internal memory or memory card.

- A camera's megapixel rating tells you how many photosites (pixel sensors) its image sensor contains.
- Image sensors vary in size, and they only need to be big enough to hold a number of photosites to meet a MP rating.
- Bigger camera image sensors allow room for physically larger photosites. As a result, more light can be gathered through the camera lens to produce crisper image results.

Shopping Tips

To identify cameras with larger image sensors, you can generally assume a camera with a large-diameter lens is likely to have a big image sensor. So, a D-SLR will often have a larger image sensor than a point-and-shoot. Also look for:

- A lack of graininess in photos of the sky (indicating a high signal-to-noise ratio)
- Excellent shadow details without "blooming" bright areas (indicating a high dynamic range)
- A high ISO rating, such as 3200, or greater low-light sensitivity equivalence

Essential Things To Know

Megapixels

You may have heard that it's better to purchase a camera with a higher number of megapixels for the best image results, but that's not necessarily true. Here's the truth about megapixels and what you need to know about them.

DIGITAL IMAGING

Olympus TG-610
MSRP: $279.99

What does a camera's megapixel count mean?

One megapixel equates to 1 million picture elements—or pixels. For instance, an 8MP camera can produce images that have 8 million pixels. Picture elements are small dots of color, and these form the detail of an entire image.

Is it better to purchase a camera with a higher megapixel count?

If you want to create the largest possible prints, then you should look for a camera with a high megapixel count. Otherwise, if you want a camera that produces the best looking images, you need to consider the size of the camera's image sensor and quality of its lens.

How does a camera's image sensor size relate to image quality?

When comparing two cameras with the same number of megapixels, the model with a larger image sensor will typically provide better image results. A larger image sensor allows megapixels to gather more light information, which leads to sharper images with color that's more true-to-life.

Is there an advantage to selecting a camera with more megapixels than you need?

Yes, the images you capture will be larger, so you'll have room to crop them for different photo compositions.

How many megapixels are necessary to print film-quality (300dpi) 5x7 and 4x6 photos?

Cameras with 4MP or higher are capable of providing 5x7 photos at 300dpi. Only a 2MP image would be required to deliver a lab-quality 4x6.

How many megapixels are necessary to print a lab-quality 8x10 photo?

You could create a lab-quality 8x10 with a digital camera that has 8MP or more. An 8x10 with good detail could also be produced with a 5 to 7MP digital camera.

Capture Life's Moments With

A Point-&-Shoot

If you're a little confused about the most important features in a digital camera, you're not alone. In this chart, we compare features from select digital cameras, and we also explain what those features mean.

		Resolution; Optical zoom	Shutter speed	Memory card	LCD size	ISO	Video resolution	Coolest features
	What It Means	More pixels create larger prints you can crop; Moves the lens closer to your subject	A faster shutter speed will let you snap action photos without blur	Removable card that stores your photos in your camera	The LCD is the screen on the back of the camera	A higher ISO lets you take better photos in low-light settings	The level of detail that's captured when you shoot video	What sets this model apart from other cameras
	Fujifilm Finepix T210 MSRP: $129.99* SKU 3529126	14MP; 10X	8 to 1/2,000 seconds	SD/SDHC	2.7 inches	Auto; Manual: 100 to 3200	720p	Fujinon 5-50mm wide-angle lens; dual image stabilization
	Canon PowerShot ELPH 310 HS MSRP: $259.99* SKU 3301753	12.1MP; 8X	1 to 1/2,000 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 3200	1080p	28mm wide-angle lens; ultra-slim design; Movie Digest mode
	Samsung MV800 MSRP: $279.99* SKU 3124037	16.1MP; 5X	1 to 1/2,000 second	microSD	3 inches	Auto; Manual: 80 to 3200	720p	180-degree rotating touch-screen; 3D photo support; Pose Guide
	Olympus TOUGH TG-610 MSRP: $299.99* SKU 2424213 See p. 21	14MP; 5X	1/4 to 1/2,000 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 80 to 1600	720p	Waterproof, freezeproof, shockproof
	Nikon Coolpix S8200 MSRP: $329.95* SKU 3176493	16.1MP; 14X	1 to 1/1,600 second	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 3200	1080p	Advanced autofocus; smile timer; lens-shift VR image stabilization
	Sony Cyber-shot DSC-TX55 MSRP: $349.99* SKU 3421638	16.2MP; 5X	30 to 1/1,600 seconds	MS Micro/ Mark 2, microSD/ SDHC	3.3 inches	Auto; Manual: 100 to 3200	1080/60i	3D Sweep Panorama mode; Exmor R CMOS sensor
	Olympus XZ-1 MSRP: $499.99* SKU 2424301	10MP; 4X	60 to 1/2,000 seconds	SD/SDHC/ SDXC	3 inches	Auto; Manual: 100 to 6400	720p	Large CCD; low-light support; iZuiko f1.8-2.5 lens
	Panasonic Lumix DMC-LX5 MSRP: $499.99* SKU 1579077	10.1MP; 3.8X	60 to 1/4,000 seconds	SD/SDHC/ SDXC	3 inches	Auto; Manual: 80 to 12800	720p	F2.0 Leica DC Summicron Lens; AVCHD Lite movie recording

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Snap Professional-Looking Images With A

D-SLR Or CS Camera

D-SLR prices keep falling. Also, as more CS (compact system) cameras become available, photographers are turning to them, both as a first camera and as a trade-up to something better. Check out the features and performance specs of select cameras below.

		Resolution	LCD size	ISO range	Kit lens	Burst speed	Shutter speed
	What It Means	Image sensor in megapixels; more means a bigger image	Diagonal measurement of the screen on the back of the camera	A higher ISO range will let you take better photos in low-light situations	Standard lens bundled with the camera body	Frames per second (fps) you can shoot while in burst mode	The wider the range, the greater the gamut of long exposures to frozen action
Compact System Cameras	**Olympus PEN EPM-1** MSRP: $499.99* SKU 3560265 See p. 20	12.3MP	3 inches	200 to 12800	14-42mm	5.5fps	60 to 1/4,000 seconds
Compact System Cameras	**Panasonic Lumix DMC-LX5** MSRP: $499.99* SKU 1579077	10.1MP	3 inches	80 to 12800	24-90mm	10fps	60 to 1/4,000 seconds
Compact System Cameras	**Nikon 1 J1** MSRP: $649.95* SKU 3638105	10.1MP	3 inches	100 to 6400	10-30mm	10fps	30 to 1/6,000 seconds
Compact System Cameras	**Olympus E-PL3** MSRP: $699.99* SKU 3117259	12.3MP	3 inches	200 to 12800	14-42mm	5.5fps	60 to 1/4,000 seconds
Compact System Cameras	**Pentax Q** MSRP: $799.95* SKU 3035061	12.4MP	3 inches	125 to 6400	40.5mm	5fps	30 to 1/2,000 seconds
D-SLR Cameras	**Nikon D3100** MSRP: $649.95* SKU 3099128	14.2MP	3 inches	100 to 12800	18-55mm	3fps	30 to 1/4,000 seconds
D-SLR Cameras	**Canon EOS Rebel T3i** MSRP: $899.99* SKU 1980124	18MP	3 inches	100 to 6400	18-55mm	3.7fps	30 to 1/4,000 seconds
D-SLR Cameras	**Sony SLT-A65VK** MSRP: $999.99* SKU 3512038	24.3MP	3 inches	100 to 16000	18-55mm	8fps	30 to 1/4,000 seconds

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Match Your Lifestyle To An

HD Camcorder

HD camcorders are available with hard drive or memory card recording formats. No matter which you choose, you'll capture memories with vivid color and true-to-life detail. To find the model that best fits your needs, consider the differences among the selections below.

		LCD size	Optical zoom; Digital zoom	Image sensor size	Memory card	Digital still resolution	Coolest features
	What It Means	Diagonal length of viewing screen	Two methods for magnifying depth of field; Optical zoom is better	Sensors convert light into electrical signals; bigger is better for image quality	Compatible flash card types (cards not included unless noted)	The number of megapixels the camcorder can capture in still images	What sets this camcorder model apart from other camcorders
Flash Drive	**Sony Bloggie MHSFS1K/B** MSRP: $139.99* SKU 2520252	2.7 inches	1X; Yes (power not specified)	1/4-inch	4GB internal memory only	5MP	1080p MP4 recording at a low price
Flash Drive	**Samsung W200 HMX-W200RN** MSRP: $159.99* SKU 2732042	2.3 inches	1X; 3X	1/3.2-inch	microSD	5.5MP	1080p; waterproof, dustproof, shockproof
Flash Drive	**Toshiba Camileo X400** MSRP: $279.99* SKU 3530547	3 inches	23X; 120X	N/A	SD/SDHC/ SDXC	5MP (16MP interpolated)	Slow motion; smile detection (photos); face tracking (video)
Flash Drive	**Panasonic HDC-TM41H** MSRP: $379.99* SKU 3128925	2.7 inches	16.8X; 1,200X	1/5.8-inch	SD/SDHC/ SDXC	2.1MP	POWER OIS (Optical Image Stabilizer)
Flash Drive	**Canon VIXIA HF R21** MSRP: $449.99* SKU 2088317	3 inches	20X; 400X	1/4.85-inch	SD/SDHC/ SDXC	2.41MP	3-inch touch-screen control allows for easy navigation
Flash Drive	**Canon VIXIA HF M41** MSRP: $699.99* SKU 2088565	3 inches	10X; 200X	1/3-inch	SD/SDHC/ SDXC	2.07MP	Features Canon's own dynamic SuperRange optical image stabilization
Flash Drive	**JVC GZ-HM860BUS** MSRP: $949.95* SKU 2713866	3.5 inches	10X; 200X	1/2.3-inch	SD/SDHC/ SDXC	N/A (10.62MP sensor)	Built-in Bluetooth technology for wireless transfers to your smartphone
Flash Drive	**Sony HDR-TD10** MSRP: $1,299.99* SKU 3224955	3.5 inches	10X (3D)/12X (2D); 160X (2D only)	1/4-inch	SD/SDHC/ SDXC/ Memory Stick PRO Duo/ PRO-HG Duo	7.1MP	Can shoot 3D video in Double Full HD resolution; 3D video playable in 2D

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Essential

Accessories

For all the time we spend mulling over which camera we want to buy, we should spend an equal amount of time considering the accessories we need to go with them.

Extra Batteries

Continue to capture special moments, such as your son's baseball game or baby's first steps with a spare battery on hand. Recharging the battery may be convenient, but not when you're short on time. That's why it's a good idea to have a fully charged backup battery so you don't miss any action.

Cases

To get the most out of any camera, you need a case that offers the best in screen protection, comfort, durability, and accessibility. They range in style and size to fit your lifestyle. Features can include impact- and water-resistance, soft interior linings, and pockets to keep a spare battery or memory card on hand.

Tripods

Can any of us really say that we can hold a camera as steadily as we'd like to? Probably not. A tripod solves this issue, as it's sturdy enough to hold the weight of your camera and comes equipped with a three-way pan/tilt head that lets you fluidly follow subjects. It's also ideal for those times you want a static, steady shot.

Memory Cards

Not all memory cards are created equal; the differences in capacity, read/write speed, and class all have a bearing on what they can do and, therefore, which one you'll want for your device. To better match a card to your image or video recording needs, speak with an associate at your local CE retailer.

Get The Most From Your

Photography INVESTMENT

BUY BACK PROGRAM

While it may be brand-new now, before you know it, your camera can quickly become outdated by the latest point-and-shoot technologies. To ensure you get your hands on the latest and greatest, purchasing the Best Buy Buy Back program when you get your new camera is a wise decision.

Pay the one-time program fee, and within two years you can bring your camera and its accessories to Best Buy in exchange for a gift card to use toward a new device.

Camera Purchase	Price One-Time Program Fee
$199.99 or less	$9.99
$200 to $449.99	$24.99
$450 or more	$69.99

Time Passed Since Your Purchase	Buy Back Amount Given
Up to 6 months	50%
6 to 12 months	40%
12 to 18 months	30%
18 to 24 months	20%

Camera Setup & Training Online Support Card

If you want to learn the ins and outs about your new camera, you can get one full hour of assistance from a Geek Squad agent for only $29.95. All you need to do is purchase an online support card and when you need help, activate the card. From there, an agent can remotely tie in to your computer and teach you how to do the following:

- **Transfer photos** from your camera to the computer or from your computer to an online Web site
- **Import photos** to the photo-editing program of your choice
- **Use the software** that came with your camera (or a free program of your choice) to perform basic photo edits like removing red-eye
- **Use all the basic functions** of your new camera (through a 15-minute Q&A session on camera operations)

GEEK SQUAD® BLACK TIE PROTECTION

Black Tie Protection offers trouble-shooting support and services for up to four years. Geek Squad agents will keep your camera operating at its peak and fix problems that occur due to normal wear/tear. With a special "lemon" policy, if your camera needs to be fixed more than four times, you'll get a new camera! Under the Premium Plan, you also get the following:

- **Telephone trouble-shooting** up to four times a year
- **Annual maintenance** to clean and inspect your camera

Digital Imaging

Glossary

Wondering what all of that lingo on camera boxes means? Use this glossary to help decode the world of digital imaging.

aperture—An iris-like diaphragm opening that can expand and contract the lens to let you control the amount of light that passes through it, thus affecting the exposure. The term "f-stop" can be used interchangeably with aperture.

burst mode—A camera mode that will let you capture several shots consecutively after pressing the shutter only one time.

CCD—A charge-coupled device is a type of image-sensing component. It converts light into energy that can be stored as digital data on your camera.

depth of field—The area that is in focus in front of and beyond the subject of your photo.

digital zoom—Magnifies an image digitally by cropping it and filling in the rest with interpolated pixels, thus degrading the quality. Even if the numbers are impressive, never choose a camera based on digital zoom.

f-stop—See aperture. Smaller f-stop numbers mean a wider lens opening; larger f-stop numbers mean a narrower lens opening.

ISO—For digital cameras, the ISO setting measures the sensitivity to light (similar to how it does with film). Digital camera ISO settings, such as 200, 400, and up, should capture photos as if one were using film with such a speed. Lower ISO settings mean you need more light and vice versa.

LCD—The screen on the back of the camera that lets you see a live-action view of your subject or your photo after you've taken it.

lens—The apparatus on the front of the camera that gathers and directs light toward the image sensor. In a digital camera, the lens likely has both an optical and digital zoom.

megapixel—Approximately 1 million pixels. The higher the megapixel count, the higher the resolution and the more you can crop, which means you can create larger prints with better quality.

memory card—Because digital cameras have very little onboard memory, they need flash memory cards to store more than a dozen or so images. The type of memory card you need depends on the make and model of your camera. Some of the most popular memory cards are Secure Digital, MultiMedia Card, Compact Flash, and Sony Memory Sticks. In general, memory cards are quite small.

noise—The small statistical variations among pixels that lead to (usually) minor distortions of color in a photo.

optical zoom—The camera's mechanical ability to move the lens physically closer to your subject. With optical zoom, the higher the number (such as 5X or 10X), the better. When choosing a camera, always consider the optical zoom, not the digital zoom. Digital zoom artificially adds pixels.

resolution—The number of pixels in an image. The higher the resolution, the more detail and quality in a photo. Resolution is measured in a proportion (such as 2,272 x 1,704).

shutter speed—The length of time a camera's shutter is open to let light through the lens and hit the sensor, which records the image. This is expressed in fractions of a second: For instance, a shutter speed of 1/250 means that the shutter is open for 1/250th of a second.

white balance—Light levels are adjusted electronically to ensure whites in a certain environment are pure, leading to more lifelike colors. White balance can usually be manually adjusted, too.

Computers & Tablets

Holiday Gifts

It's the holiday season, and it's time to find gifts for everyone in your family. If you want to wow them this year, why not give a tablet, all-in-one desktop, or laptop that fits their computing style?

Motorola Xoom Family Edition Tablet
$399.99 | SKU: 3639159

Tablets

For anyone that's regularly on the go and already has a laptop and smartphone, a tablet is a great companion device. For instance, your spouse can stay connected to the Web as they travel for work; your college student can take notes in class, and save them in the cloud so she can later access it from her laptop; and your youngsters can stay entertained during road trips with games and movies.

All-In-One Desktops

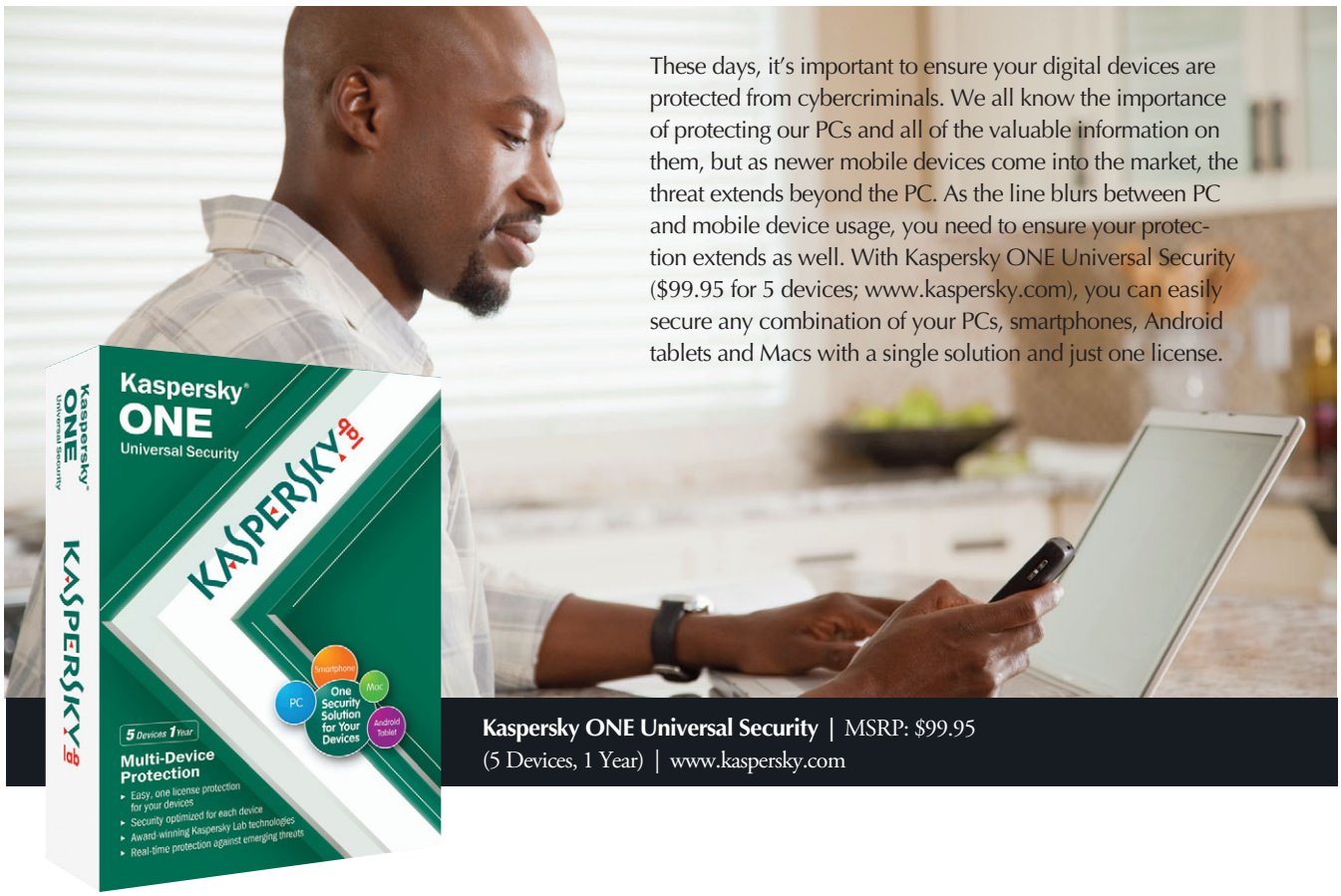
Because they combine a monitor and tower into a single unit, an AIO takes up less space than a traditional desktop. Most offer touchscreen displays and built-in wireless connectivity, they can be situated wherever you want convenient and quick access to the Internet. For example, placing one in your kitchen lets you search for recipes, display family photos, or get the latest movie times.

Laptops

Laptops offer a range of capabilities, so you can easily match a model to a gift recipient's needs. A system with ample memory and a high-end video card will suit a gamer. Built-in 3G/4G is perfect for those who need Internet access no matter where they are. And media lovers will appreciate a laptop with HD and 3D video capabilities as well as a wireless display feature to watch content playing on their computer on an HDTV.

Kaspersky Lab Protects You On All Your Devices

All You Need Is ONE



These days, it's important to ensure your digital devices are protected from cybercriminals. We all know the importance of protecting our PCs and all of the valuable information on them, but as newer mobile devices come into the market, the threat extends beyond the PC. As the line blurs between PC and mobile device usage, you need to ensure your protection extends as well. With Kaspersky ONE Universal Security ($99.95 for 5 devices; www.kaspersky.com), you can easily secure any combination of your PCs, smartphones, Android tablets and Macs with a single solution and just one license.

Kaspersky ONE Universal Security | MSRP: $99.95 (5 Devices, 1 Year) | www.kaspersky.com

Universal Security For Multiple Devices

Any connected smart device is continually exposed to new, sophisticated threats on a daily basis. Kaspersky ONE Universal Security provides convenient, one-license protection against malware and cybercrime for your Windows PCs, Macs, smartphones, and Android tablets. Plus, protection is optimized for each of your devices making it easy for you to feel safe and secure to go online.

Easy, One-License Protection

With just one license, Kaspersky ONE Universal Security allows you to conveniently secure any combination of your PCs, Macs, smartphones and Android tablets. For example, with a 5-device pack, you can protect your desktop, two laptops, and two smartphones. Or protect two tablets, two smartphones, and a Mac. Mix and match the award-winning security of Kaspersky Lab to meet your protection needs.

Award-Winning Kaspersky Lab Technologies

Kaspersky ONE Universal Security delivers award-winning technologies, optimized for each of your computing and mobile devices. So, whether you're watching a movie on your tablet, downloading music onto your smartphone, or banking on your PC or Mac, you'll experience complete piece of mind with world-class security that's easy to use, and that won't slow you down.

Give the gift of security to all of your mobile devices this holiday season with Kaspersky ONE Universal Security.

COMPUTERS & TABLETS

Windows PCs

Get the power of the cloud and your PC with Hybrid Protection found in Kaspersky's award-winning Windows PC solution. Whether you're banking, shopping, or social networking online, you can be confident that your account details are secure and you won't stumble onto dangerous websites.

Smartphones

Does your life revolve around your smartphone? Kaspersky ONE's anti-theft and anti-virus features protect your phone whether it's lost or stolen or is targeted while you're surfing the Internet. Plus, it keeps your kids from straying from the apps you want them to use on your phone.

Android Tablets

These popular touch-screen devices are really just small PCs. That means that they are just as vulnerable to online attacks as your computer. Kaspersky ONE's powerful database of malware signatures, real-time scanning of files and apps, and small, frequent updates let you surf the web without worry.

Macs

Macs are more popular than ever. Unfortunately, that means they have become more attractive to cybercriminals. Kaspersky ONE shields Macs from harm. It also blocks viruses that, while harmless to your Mac, can easily be passed to friends and colleagues on your network.

Space Savers With Smart Features

AIO Advantages

Desktop computers can take up a lot of space. Besides the system itself, you'll need room on your desk for a monitor, keyboard, and mouse. All-in-one computers, however, offer the same functionality but are designed to save space.

Lenovo IdeaCentre 77601CU
MSRP: $672.99 | SKU: 3457129

Short On Room?

The various components of an AIO, such as the processor and hard drive, are built into a case that looks like a computer monitor. Connectivity and other devices, such as Wi-Fi, USB ports, and a disc drive, are also built into an AIO's body. Because everything is in a single unit, AIOs can be used in areas where space is at a premium.

Touch Control

A model with a built-in touchscreen, gives you control using intuitive gestures. For instance, placing two fingers on the screen and moving them closer or farther apart lets you zoom in or out of the screen content. Swiping or sliding your finger on the screen enables you to scroll on-screen content.

Built For Media

Many AIOs have screens that are 20 inches or larger, so they're great for Web media, such as streaming videos or games. They also have built-in speakers, some of which simulate surround sound. These features make an AIO a good choice for someone who wants a PC that can double as an entertainment center.

Ready For Wi-Fi

AIOs typically provide built-in Wi-Fi, so you won't need to connect an Ethernet cable for Internet access. This gives you the freedom to place an AIO just about anywhere in your home, such as a kitchen or hallway. And moving your AIO to a new spot is easy because you don't have to disconnect and reconnect network cables.

Wi-Fi And/Or Mobile Broadband

Wireless Tablets

All tablets share the ability to connect to the Internet, letting users stream audio and video; stay connected via email, chat, and social networks; use Web-based productivity software; and more. How tablets connect, however, differs among models, as the following explains.

Motorola Xoom Family Edition Tablet
$399.99 | SKU: 3639159

Get Connected

Tablets wirelessly connect to the Internet either via Wi-Fi or mobile broadband access. Mobile broadband includes 3G and 4G connectivity, with the latter also referred to as WiMAX or LTE, which are specific 4G technologies. Some tablets provide both Wi-Fi and mobile broadband connectivity options, meaning if a Wi-Fi connection isn't available, the tablet can still connect if a 3G/4G signal is available.

Wi-Fi 101

Tablets can access the Internet using an integrated antenna that acquires Wi-Fi signals from private or public hotspots such as home-based wireless routers or access points in public locations such as cafés and airports. Although Wi-Fi provides faster connectivity than mobile broadband, it delivers less coverage area. A tablet based on the current Wi-Fi N protocol, for example, can obtain up to 450Mbps theoretical data transfer speeds, but generally span only 300 to 600 feet from the hotspot.

Mobile Broadband

Tablets can connect to mobile broadband via an integrated receiver or add-on device that acquires 3G/4G cellular signals, such as a USB-based modem or mobile Wi-Fi hotspot device. Speeds max at 1.4Mbps for 3G (Web surfing and emailing) and 6Mbps and 12Mbps (high-end video streams) for 4G. Currently, 3G coverage spans nationwide, while 4G is mostly limited to major urban areas. Acquiring mobile broadband access also requires signing a data plan with a cellular provider.

How To Push & Pull Content

Cloud Computing

Cloud computing enables you to access data and on-demand services on remote Internet-connected computers via a Web browser, and the ability to send and retrieve (or push and pull) content. The following outlines four common cloud computing-based scenarios.

Office Docs At The Ready

Upon creating an account for a cloud-based suite, a student can create documents using photos and data from her laptop and online storage services. Using her PC in her dorm room, she can edit and share the files before uploading them to the university server to fulfill a class assignment.

The Big Game On Demand

While on a weekend work retreat that will cause him to miss the big game, a business exec launches an app on his smartphone to access the TV appliance connected to his DVR back home and schedule a recording. Later, he uses the same application to stream and watch the game on a tablet in his hotel room.

Connect With Customers

A real estate agent uses social networking tools to create a company page where she can post property information when needed, all without Web site maintenance or software updates required. Additionally, customer comments, questions, and notifications are automatically pushed to her devices.

Music In The Sky

Before heading overseas to study, a student pushes music stored on her PC to a cloud-based music service. Once overseas, she pulls the files from the service to Internet-connected devices, including a smartphone and tablet. Further, she pushes music she bought overseas to the service for access from anywhere, including her PC back home.

Give Life To Your Holiday Memories

Roxio Creator 2012

So many great memories are made and captured when family and friends gather for the holidays. Roxio Creator 2012 ($99.99; www.roxio.com) gives you the multimedia tools you need to preserve your videos, music, and photos as well as create printable keepsakes.

Roxio Creator 2012 | $99.99 | www.roxio.com

Video & Audio Effects

One of Roxio Creator's new video features is nature effects, which lets you choose from eight elements to add to your videos, such as a snowfall to create a white holiday no matter where you live. Other effects include rain, fog, fire, smoke, and more. If you want more video enhancements, Roxio Creator Pro ($129.99) offers more with effects such as Aged Film, Skew, Newsprint, and more to spice up your holiday videos.

After editing a video masterpiece, you can give your DVDs a professional touch by creating high-resolution, animated, or even 3D navigation menus. And when it comes to audio options, Roxio Creator can help you mix playlists, edit tracks, digitize LPs, and create ringtones. If you own LPs and cassette tapes that you wish you could hear anew, convert them to a different file format with Roxio's software. Plus, you can choose from 50 music tracks to play during slideshows.

Photos & More

To make everyone look their holiday best, you can touch up portraits with enhancement tools to brighten facial expressions, remove red-eye, or smooth out wrinkles and blemishes. You can then show off your images in a slideshow using Roxio PhotoShow, which offers hundreds of festive themes, songs, and stickers. You can also personalize the show with your favorite MP3 music tracks. To spread the holiday spirit, you can share your slideshow on social media Web sites, or burn your creation to a CD, DVD, or Blu-ray Disc. And because your holiday memories are one-of-a-kind, Roxio Creator can also back up your media on a disc or network drive to keep them safe for future generations.

Intel 2nd Gen Core Processors

Get More

WITH CORE

When you buy an Intel 2nd Generation Core-based computer, you're not just getting abundant processing power and great HD visuals. You get more capabilities than other PCs, thanks to the additional features in most Core laptops. These include free 4G WiMAX Service where available, the ability to wirelessly connect your laptop to your HDTV, built-in protection if your device is lost or stolen, and more.

What it is. 4G WiMAX gives you broadband speeds around town like those you enjoy at home. Now, for the first time, get free 100MB monthly service for as long as you own your Core-based notebook. See page 42 for more details on ways that 4G WiMAX can speed up your digital life.

What it is. Your Core notebook's content, displayed on your HDTV without a cable.

Picture it. Family members who can't travel to the festivities can make a video call to your laptop. WiDi can put them on the big screen for everyone to see.

What it is. Powered by Intel Anti-Theft Technology, PC Theft Defense is a "poison pill" you can send to your lost or stolen Sony VPCS31FM/S (SKU: 3519978) or Toshiba E305-S1995 (SKU: 2805056) laptop to render it inoperable and protect your data.

Picture it. It's a good thing you protected your Intel Core 2nd Gen laptop with PC Theft Defense, as it seems to have been lost in the shuffle of your holiday shopping. You lock it remotely, just to be safe. Later, when you find your laptop among the gifts your spouse hid in the closet, your password or token restores it.

Intel 2nd Generation Core Processor Notebooks*

	4G WiMAX	Intel Wireless Display	Intel Insider
Asus G74SX-BBK8	✔		✔
Asus U46E-BAL6	✔	✔	✔
Asus U56E-BBL6	✔	✔	✔
Dell I15RN-5882DBK	✔		✔
Dell I17RN-3530DBK	✔		✔
HP dm4-2165dx		✔	✔
HP dv7-6b55dx	✔	✔	✔
Lenovo V570- 066AJU	✔	✔	✔
Samsung NP300E5A-A01UB		✔	✔
Samsung NP700Z5B-W01UB	✔	✔	✔
Samsung QX411-W01	✔	✔	✔
Sony VPCS31FM/S†	✔	✔	✔
Sony VPCF236FM	✔	✔	✔
Sony VPCEH25FM		✔	✔
Toshiba E305-S1995†	✔	✔	✔
Toshiba P755-S5320		✔	✔
Toshiba P775-S7320	✔	✔	✔

*Check with an associate to see which models are currently available. †This is a Best Buy Blue Label laptop that includes three years of PC Theft Defense powered by Intel Anti-Theft Technology.

What it is. Thanks to the Intel Insider technology (see page 9) built into Intel 2nd Gen Core processors, you can enjoy movies in 1080p Full HD from the Best Buy CinemaNow service.

Picture it. Curl up on the couch with your family—a holiday favorite is about to begin. Using Intel Insider, you've rented a classic movie that's been re-released in high-definition. With Intel HD Graphics, your family can enjoy it again and again over the next 24 hours—but not just on your laptop's display. You can watch it in 1080p Full HD glory on your HDTV using an HDMI cable or Intel Wireless Display (see page 9), depending on your notebook's features.

Built-In Connectivity

Intel 4G WiMAX

To remain connected to the Web all around town, you need Intel's high-speed 4G WiMAX wireless mobile broadband. You can find the technology embedded in a variety of laptops—in fact, nearly every Intel Core-based notebook at Best Buy has 4G WiMAX built in.

Connect With Speed

To get your 4G WiMAX laptop connected, you'll need a service provider. Best Buy Connect offers 4G mobile broadband plans to fit a variety of needs. If you're not sure if 4G WiMAX is right for your needs, you can take it for a test drive by using Best Buy Connect's free 100MB monthly no-contract plan.

With that much free data allowance to use, for a month you can expect to be able to:

- Send and receive about 100 email messages **per day**
- Visit approximately 18 Web sites **on a daily basis**

4G WiMAX Laptop Plans

Data Allowance	Monthly Service Fee	Two-Year Service Plans Available	Month-To-Month Service Plans Available
Unlimited	$45	✔ $150 off laptop purchase	✔
1GB	$25	✔ $150 off laptop purchase	✔
250MB	$10		✔
100MB	Free		✔

Legal Disclaimer: (WiMAX 4G claim) Actual performance will vary depending on your service provider and other variables. WiMAX availability is limited; consult your service provider for details and network limitations. Requires a WiMAX-enabled device and subscription to a WiMAX broadband service. May require purchase of additional software or hardware. See http://www.intel.com/go/wimax for more information.

Do More With Your Tablet

Tablet Accesories

Pair your tablet with the right accessory and it can become a source of HDTV entertainment, a musical instrument with personal lessons, a book full of endless recipes and cooking tips, and more. Consider the products below to see how you can make the most of your tablet.

ION Audio Piano Apprentice
SKU: 2954536 | MSRP: $99.99

Tablet To HDTV

The content you love to watch on your tablet would look even more brilliant on a large high-definition screen. If your tablet has an HDMI mini port you can use an HDMI mini-to-HDMI cable to connect it to an HDTV. This lets you watch videos saved on your tablet or from the Web on the biggest screen in your home.

Make Music

Piano lessons are a big time commitment that don't always fit a busy schedule. With an musical instrument accessory, you can learn how to tickle the ivories on your own time. For instance, the ION Audio Piano Apprentice on page 73 includes a free lesson app and a 25-note keyboard that guides you with backlit keys.

A Kitchen Helper

When you're mixing ingredients to prepare a meal, the last thing you need on the kitchen counter is a paper recipe book. Instead, you can install a tablet mount to keep your tablet out of your work area but close enough to swipe and search for new recipes or read your favorite food blogs on the Web.

Print Documents

When you're headed out the door and realize you forgot to print and sign your son's soccer registration form, you can use your tablet with a wireless printer to quickly get the task done. No matter where you are in your home, you can send the file directly from your tablet to the printer.

Trend Micro's Smart Surfing For Mac

Stay Safe Online

With the ever-growing number of disguised threats online, safety is more important than ever. To keep you one step ahead of the danger, Trend Micro's Smart Surfing for Mac (www.trendmicro.com) provides total online protection for your personal data.

Trend Micro Smart Surfing For Mac + Titanium AV | MSRP: $39.99 | www.trendmicro.com

Surf With Protection

You frequently use your Mac to take care of life's duties, and the last thing you need to fret over is security. The next time you need to pay your bills online, message friends and family, or shop for online deals, you can count on Trend Micro Smart Surfing™ to protect your sensitive information by:

- Blocking IM and email links that could lead to dangerous Websites.
- Exposing phishing scams that attempt to trick you into revealing confidential information
- Preventing Websites from installing malware on your Mac

Defend Against Threats

With Trend Micro Smart Surfing, you have the essentials to protect your Mac and personal data. No matter the type of online threat that tries to infect your Mac or access your personal details, Trend Micro Smart Surfing covers you with:

- Automatic updates so your protection stays current against new threats
- Protection against viruses, worms, Trojans, spyware, phishing, and other everyday security dangers
- Included Titanium Antivirus+ for when you use Windows on your Mac

Manage Parental Controls

Although the Internet opens the doors to unlimited information sources your kids can use for education and entertainment, it can also expose them to inappropriate content. Trend Micro Smart Surfing protects young minds by giving you the power to:

- Restrict access to specific content categories on the Web and automatically block Web sites that meet those criteria
- Block individual Websites that are off-limits in your home
- Control access to chat and instant messaging sites

Titanium Protection For PCs

Those with a PC can also get comprehensive online protection with Trend Micro Titanium Maximum Security 2012 ($79.99 for three licenses; www.trend micro.com), which offers:

- Security logs that let you monitor the types of malware that have tried to access your PC and how often
- Automatic updates so you're protected from future threats
- Light resource use so your PC won't slow down

AMD's A-Series APUs

One VISION

From online videos to social network photos, and from games to operating system animations, almost everything we do with our computers seems to involve graphics. That's why AMD (www.amd.com) combined its CPU and GPU technologies into the future of computing: the APU.

Meet The APU

AMD A-Series APUs (accelerated processing units) were specifically designed to improve your computing experience. Blending multi-core CPU power with a discrete-class GPU (graphics processing unit), the APU gives you visual performance at a low cost and a longer battery life.

A4 VISION AMD

A6 VISION AMD

A8 VISION AMD

VISION A4
Brilliant HD Everyday

- Dual-core processing with 160 AMD Radeon™ graphics cores
- Smooth HD playback
- DVD upscaling to HD and PC output to HDTV
- High-res editing of multi-MP photos
- Rich media browsing and great productivity
- Quiet and energy-efficient

VISION A6
Brilliant HD Entertainment

- Quad-core processing with 320 AMD Radeon™ graphics cores
- Create and edit HD videos
- Play the latest DirectX® 11 games in HD detail
- Experience HD movies like never before

VISION A8
Brilliant HD Performance

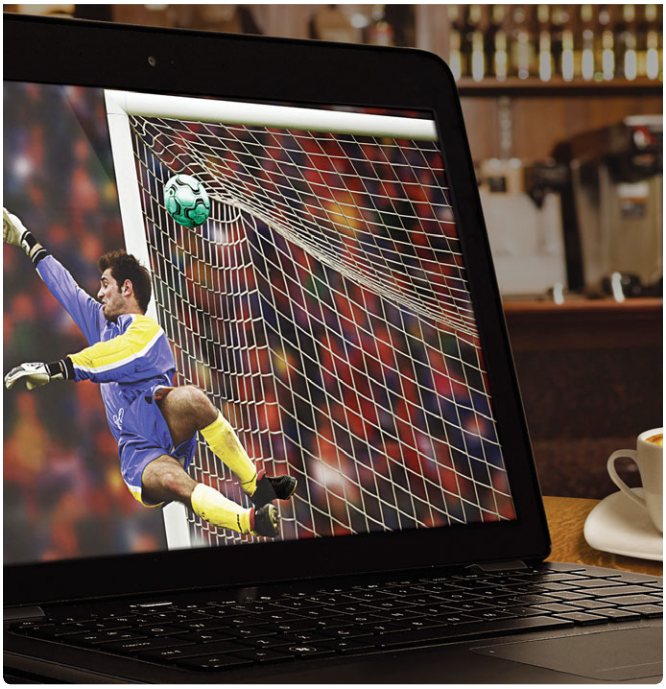
- Quad-core processing with 400 AMD Radeon™ graphics cores
- Tackle the most demanding tasks
- Dual display support to maximize your computing productivity
- Ultimate gaming in HD and 3D when you're ready to relax

Additional hardware (e.g. Blu-ray drive, HD or 10-bit monitor, TV tuner, wirelessly enabled HDTV) and/or software (e.g. multimedia applications) are required for the full enablement of some features. HD Video display requires an HD video source. Not all features may be supported on all components or systems - check with your component or system manufacturer for specific model capabilities and supported technologies.

1. AMD defines all day battery life as 8+ hours of continuous use as measured with the Windows Idle test.

2. AMD Perfect Picture HD is a an image, video processing and display technology that features advanced de-interlacing, dynamic contrast adjustment, color vibrancy, noise reduction and edge enhancement that provides brilliant colors and sharp images for smooth playback of Blu-ray and other HD content on your PC.

AMD

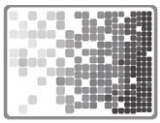


AMD AllDay™ Power

Because AMD combines two formerly separate components (the CPU and GPU) into one package, an AMD A-Series APU can run apps and multimedia while using less energy. For instance, a VISION A-Series powered laptop can run for eight hours or more on a single battery charge[1].

Performance You Can See

AMD Picture Perfect automatically enhances the color, contrast, and resolution of your media for lifelike detail and vibrancy[2]. The result is seamless HD playback and smooth gaming.



AMD Steady Video Technology[3]

With online video sharing and all sorts of digital cameras, there's a full-blown video revolution taking place. To ensure your video always looks its best, AMD Steady Video Technology was built into its AMD A-Series APUs. This technology helps remove camera shake and jitter from self-made movies and videos on the Web.

Help Plan For The Future

As operating systems and applications rely more and more on graphics acceleration, you'll already be supported with an AMD A-Series APU in your system. APUs represent the way forward in processor design. With some of the most powerful graphics available, AMD APUs get you ready for the computing tasks of today. . . and tomorrow.

3. AMD Steady Video is a technology designed to eliminate shakes and jitters during the playback of home video. Users may turn on this technology via the AMD Catalyst Control Center™ or the VISION Engine Control Center application. AMD Steady Video will work with content that can run on Adobe® Flash® Player 10.2 (and later versions) or on any player which has been programed to use AMD's decode acceleration (DXVA) engine. AMD Steady Video is not designed to (a) isolate overlays, logos or captions, or (b) improve the playback of letter boxed, premium/commercial, or interlaced content. AMD Steady Video is only recommended for use with videos that contain unwanted shakes and jitters.

Essential Things To Know

Mobile Broadband

Mobile broadband, also known as 3G or 4G connectivity, enables you to connect to the Internet from almost anywhere because it uses the signals from cell phone towers rather than traditional Wi-Fi hot spots.

Lenovo IdeaPad V570
MSRP: $799 | SKU: 3504409

What is mobile broadband and how can I use it?

Mobile broadband is a wireless technology that provides on-the-go Internet connectivity. Instead of relying on a wired or Wi-Fi connection, a device with embedded mobile broadband or a mobile broadband add-on can access high-speed Internet so long as it's within a mobile broadband service range.

What's the difference between mobile broadband connectivity and Wi-Fi coverage?

Mobile broadband relies on cell phone towers, which creates an expansive coverage area, while wireless routers typically create signals that don't go beyond a 300-foot radius.

Is mobile broadband on all laptops and tablets?

No, not all portable computing devices have embedded mobile broadband. However, you can usually add this capability with a mobile broadband USB adapter.

Where do I sign up for mobile broadband service?

Most mobile phone service providers offer monthly 3G or 4G mobile broadband service plans. It's worth noting that while 3G is available in most areas, 4G is only available in select cities and continues to roll out to new metropolitan areas.

How reliable is a mobile broadband connection?

Mobile broadband technologies are made to supply particular data rates over a much wider geographical area. That becomes important with long-form uses such as video streaming, Internet calls, and gaming. In contrast, Wi-Fi may lose its signal quality when walls and floors obstruct the connection.

What is no-contract mobile broadband?

Rather than lock in a year-long contract for monthly mobile broadband service, you can purchase a single hourly, daily, or monthly data plan.

Take Your Work & Media With You On A Laptop

A laptop computer is a pretty big purchase for most people, and there are many options to choose from. To help you find a model with the features and specs you need, here's a comparison of what the latest laptops have to offer.

	Operating system	Processor	Hard drive size; RAM	Graphics Card	Dimensions; Weight	Optical drives; Media card reader
What It Means	The software (usually Windows or Mac OS X) that controls your computer	Chip that controls the computer (typically, a bigger number is better)	How much data the computer can hold; Memory that's read and written to	Controls the quality of your video and images	Height x width x depth; How much the laptop weighs; Screen size	Drives that can read and write discs; Slots that read media cards without a separate peripheral
Gateway NV55C56U MSRP: $349.99* SKU 3556147	Windows 7 Home Premium	2.4GHz Intel Core i3	320GB; 4GB	Intel HD	1.3x15x10 inches; 5.7 pounds; 15.6 inches	DVD±RW/CD-RW; Yes
Lenovo B570-1068AJU MSRP: $349.99* SKU 3558127	Windows 7 Home Premium	2.1GHz Intel Pentium	320GB; 3GB	Intel HD	1.3x14.9x9.9 inches; 5.2 pounds; 15.6 inches	DVD±RW/CD-RW; Yes
HP Pavilion g6-1c45dx MSRP: $429.99* SKU 3441359	Windows 7 Home Premium	2.5GHz AMD A4-Series	500GB; 4GB	AMD Radeon HD 6480G	1.43x14.42 x9.65 inches; 5.2 pounds; 15.6 inches	Double-layer DVD±RW/CD-RW; Yes
Samsung NP-R540-JA09 MSRP: $549.99* SKU 3521179	Windows 7 Home Premium	2.4GHz Intel Core i3	500GB; 4GB	Intel GMA HD	1.50x14.9x10 inches; 5.29 pounds; 15.6 inches	Double-layer DVD±RW/CD-RW; Yes
Toshiba Satellite E305-S1990X MSRP: $1,089.99* SKU 1853204	Windows 7 Home Premium	2.3GHz Intel Core i5	500GB; 4GB	Intel HD	1.3x9.1x13.5 inches; 4.95 pounds; 14 inches	DVD±RW/CD-RW; N/A
Sony VAIO VPCSC31M/S MSRP: $979.99* SKU 3519978	Windows 7 Home Premium	2.2GHz Intel 2nd Gen Core i5 with Turbo Boost up to 3.0GHz	504GB; 6GB	AMD Radeon HD 6470M	1x13x8.8 inches; 3.8 pounds; 13.3 inches	DVD±RW/ Blu-ray Disc/ CD-RW, Blu-ray Disc; Yes
Asus Zenbook UX31-RSL8 MSRP: $1,049.99* SKU 3757001 See p. 9	Windows 7 Home Premium	1.6GHz Intel 2nd Gen Core i5	128GB (solid state); 4GB	UMA	0.7x12.8x8.8 inches; 2.9 pounds; 13.3 inches	Double-layer DVD±RW/CD-RW; Yes
DELL XPS X15Z-8750ELS MSRP: $1299.99* SKU 3655687	Windows 7 Home Premium	2.8GHz Intel 2nd Gen Core i7 with Turbo Boost up to 3.5GHz	750GB; up to 8GB	NVIDIA GeForce GT 525M	1x15.2x10.2 inches; 5.7 pounds; 15.6 inches	DVD±RW/CD-RW; Yes

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Always Keep Content On Hand With A

Tablet Or eReader

By pairing your laptop with a tablet, you'll be able to simplify your computing tasks. eReaders, on the other hand, give you instant access to the latest books and more. To find a tablet or eReader that best fits your digital lifestyle, here's a comparison of the latest models.

		Platform	Internal storage	Connectivity	Battery life	Dimensions; Weight	Ports; Media card reader
	What It Means	The soft-ware that controls a tablet	How much data the tablet can hold	How the tablet can connect to the Web (Wi-Fi, 3G, or both)	How long the battery will last when the tablet is being used	Height x width x depth; Screen size; How much the tablet weighs	Sockets that give a tablet access to peripherals; Slots that can read media cards
Tablets	**Acer Iconia** MSRP: $399.99* SKU 2512059	Android Honeycomb	16GB	Wi-Fi	8 hours	10.2x7x0.5; 10.1 inches; 16.5 ounces	1 USB 2.0, 1 HDMI; 1 SD
Tablets	**Asus Eee Pad Slider SL101** MSRPs: $479.99*; $579.99* SKUs 3390664; 3390719	Andoid Honeycomb	16GB; 32GB	Wi-Fi	8 hours	10.7x7x0.7; 10.1 inches; 33.9 ounces	1 headphone, 1 microphone, 1 mini HDMI 1.3a, 1 USB 2.0; 1 mi-croSD
Tablets	**Sony Tablet S** MSRPs: $499.99*; $599.99* SKUs 3478046; 3478037	Android Honeycomb	16GB; 32GB	Wi-Fi	8 hours	9.5x6.8x0.3 inches; 9.4 inches; 21 ounces	1 headphone, 1 microUSB; 1 SD
Tablets	**Toshiba Thrive** MSRPs: $379.99*; $399.99*; $479.99* SKUs 2769355; 2769576; 2768901	Android Honeycomb	8GB; 16GB; 32GB	Wi-Fi	11 hours	6.97x10.75x 0.62 inches; 10.1 inches; starts at 25.6 ounces de-pending on model	1 mini USB, 1 USB 2.0, 1 HDMI, 1 head-phone; 1 SD/ SDHC/SDXC
Tablets	**Samsung Galaxy Tab 7.0 Plus** MSRPs: $399.99*; $499.99* SKUs 3623816; 3641065	Android Honeycomb	16GB; 32GB	Wi-Fi	10 hours	7.6x4.8x0.39 inches; 7 inches; 12.2 ounces	1 headphone, 1 microphone; N/A
eReaders	**Amazon Kindle Fire** MSRP: $199.99* SKU 2506173	N/A	8GB	Wi-Fi	8 hours	7.5x4.7x0.45; 7 inches; 14.6 ounces	1 microUSB, 1 headphone
eReaders	**Kobo eReader Touch Edition** MSRP: $129.99* SKU 2840076	N/A	2GB	Wi-Fi	1 month	6.5x4.5x0.4 inches; 6 inches; 7.1 ounces	1 microUSB; 1 microSD
eReaders	**Barnes & Noble NOOK Color** MSRP: $199.99* SKU 1517163	N/A	8GB	Wi-Fi	8 hours	8.1x5x0.48 inches; 7 inches; 15.8 ounces	1 mini USB, 1 headphone; 1 microSD

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Get More Out Of Your PC

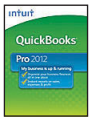
Software Listings

Computers can be used to create greeting cards, keep track of your finances, and more. But most of these functions aren't available straight out of the box. To fully harness your computer's potential, you'll need to buy software. Here are some options.

Business & Home

Microsoft Office Home & Student 2010
$149.99*
The Home and Student version of Microsoft Office 2010 has enhanced features for creating and managing documents. It includes Word, Excel, PowerPoint, and OneNote.

Individual Software ResumeMaker Professional 17 Deluxe
$29.95*
It's easy to write a professional résumé quickly using ResumeMaker Professional. The software also includes advanced search tools.



Intuit QuickBooks Pro 2012
$229.95*
Easily keep track of your company's finances with QuickBooks Pro 2012. You can view expense and income breakdowns, account balances, and more, so it's easy to know where your money is going.

Nuance Dragon NaturallySpeaking 11 Home
$99.99*
Dictate emails, reports, and documents much faster than you can type by letting Dragon NaturallySpeaking do the typing for you. The software has an accuracy rate of up to 99%.

Creativity

Nova Development Family Tree Maker Deluxe
$69.95*
Explore and preserve your family history with the software, a free three-month subscription to Ancestry.com.

Serif CraftArtist Platinum Edition
$59.99*
Use your digital photos and CraftArtist Platinum Edition to create stunning projects that make the perfect gifts for friends and family. Tools such as the photo editor, as well as digital scissors and brushes, let you personalize your projects.

HGTV Home & Landscape Platinum Suite Version 3
$49.95*
Plan home improvements or build your dream home with HGTV Home & Landscape. Complete your 3D model in a matter of minutes and then enjoy a virtual walk around.

Nero 10 Multimedia Suite Platinum HD
$99.99*
Nero 10 Multimedia Suite Platinum HD makes it easy to import video from nearly any source, add effects, and then burn the final result to BD, DVD, or CD.

Games

Batman: Arkham City
$49.99*
Protect and serve Gotham as Batman by exploring the huge Arkham City prison. Using Batman's new gadgets, you can fight against the Caped Crusader's infamous enemies.

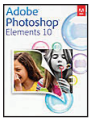
Cars 2: The Video Game
$29.99*
As an agent for CHROME, your Cars 2 character will undertake dangerous missions, use road-worthy gadgets in auto-combat, and race in highway competitions. When you log in online, you can unlock features and earn rewards.

LEGO Harry Potter
$29.99*
Jump into Harry Potter's world and explore three different magical stories, all in creative LEGO style. Take on challenges in Privet Drive, Hogsmeade, Grimmauld Place, and Hogwarts.

Nancy Drew Triple Threat 2
$19.99*
Solve mysterious cases and uncover clues in Ghost Dogs Of Moon Lake, The Haunted Carousel, and Danger On Deception Island games.

* Prices listed in this issue are for general reference and may vary from retail pricing.

Media



Adobe Photoshop Elements 10
$79.99*
Easily edit, share, and manage your photo collection, and get professional results using Adobe Photoshop Elements 10.

Corel PaintShop Pro X4 Ultimate Edition
$99.99*
Corel PaintShop Photo Pro X4 lets you manage, edit, and share your digital photos. Make automatic fixes with the included advanced editing tools, including 75 new enhancements.

Roxio Creator 2012
See p. 39
$99.99*
Use Roxio Creator 2012 to easily capture, enhance, and preserve your photos, videos, and audio projects. New features include portrait enhancing tools, Hollywood-style video effects, and video file conversion for mobile device viewing.

Pinnacle Studio HD Ultimate Collection 15
$129.99*
Pinnacle Studio Ultimate HD Collection 15 comes with a full set of plug-ins and a chroma-key green screen for advanced effects, editing, and production.

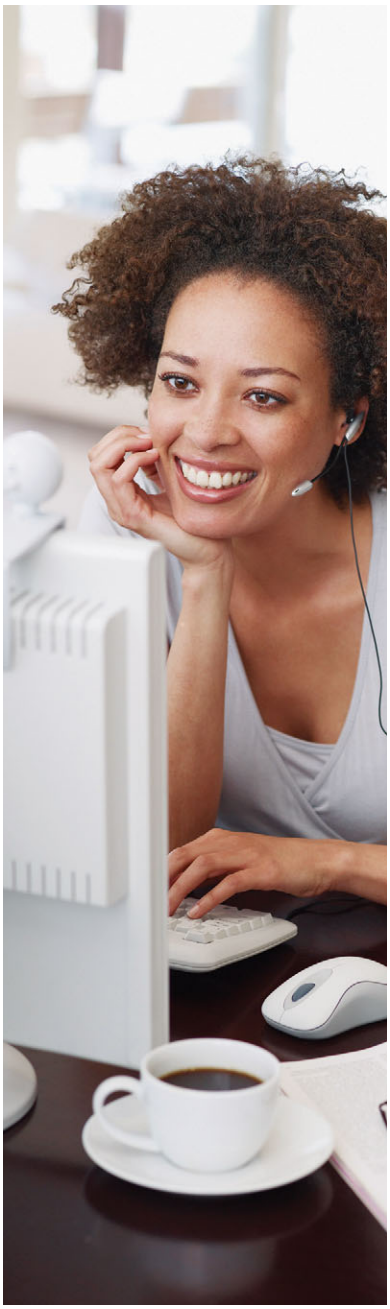
Utilities

Kaspersky ONE Universal Security
See p. 34
$99.95*
Kaspersky ONE Universal Security safeguards all your digital devices. It protects PCs, smart-phones, Android tablets, & Macs from Internet threats.

Trend Micro Smart Surfing For Mac
See p. 44
$39.99*
Trend Micro's Smart Surfing For Mac + Titanium AV blocks dangerous links, reveals phishing scams, and protects you from future threats with automatic updates. You can also manage parental controls.

iolo System Mechanic
$49.95*
With System Mechanic, you can find and fix errors and fragmentation on your PC, clean out clutter, and optimize your system for best performance.

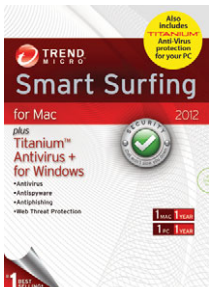
Acronis True Image Home 2011
$79.98*
This software backs up your entire computer, including the operating system, files, settings, and more, so you can easily re-create your system in the event of data loss.



Essential

Accessories

Whether your desktop, laptop, or tablet is brand-new out of the box or has been a part of your life for a while, the right accessories can enhance your computing experience. To get the most out of your system, consider putting some of these products to use.



Security Software

Secure your PCs and portable devices with software such as Kaspersky's ONE Universal Security, found on page 34, that can combat viruses and phishing attacks that could compromise your personal information. And with Trend Micro's SmartSurfing for Mac on page 44, you can also protect your Mac computer.

Trend Micro Smart Surfing For Mac + Titanium AV | MSRP: $39.95 | SKU: 3141033
Kaspersky ONE Universal Security | MSRP: $99.95 | SKU: 3630185

3G/4G Service

Rather than rely on Wi-Fi hotspots, adding 3G/4G mobile broadband service gives you convenient on-the-go Internet access on your notebook or tablet. Many devices are embedded with mobile broadband capabilities, such as Intel WiMAX 4G on page 40, but 3G/4G USB modem add-ons are also available.

Lenovo IdeaPad V570 | MSRP: $799 | SKU: 3504409

Solid State Hard Drive

For faster and more reliable hard drive performance, install an SSD (solid-state drive) in your desktop or notebook. Unlike typical hard drives, SSDs are built without moving parts, making them durable. They also use less power and generate less heat.

Kingston 30GB SSDNow V-Series Hard Drive | MSRP: $79.99 | SKU: 9852315

Mouse

To better fit your computing style, mice are available in ergonomic, wireless, programmable multi-button, and mobile designs. Some models even use special tracking technologies to let you mouse on surfaces that standard mice can't such as glass, granite, and carpet. There are even colorful designs to match your personality.

Microsoft Touch Wireless Mouse | MSRP: $79.99 | SKU: 3184265

Computing Glossary

Shopping for a computer can be intimidating, especially with all of the complex terminology. Here, we'll explain some common computer jargon.

Bluetooth—A short-range wireless standard that connects devices such as computers, printers, headsets, and digital cameras so they can be used together without being connected physically with a cord.

broadband—Network connections that transmit high-speed Internet access. Broadband speed varies depending on the provider. Cable companies offer speeds of around 8 to 11Mbps, whereas phone companies offer DSL, which supports speeds of 3 to 5Mbps.

Ethernet—A widely used LAN protocol in which computers and networks are physically linked with a cord.

firewall—Hardware or software that limits access by a network or another outside source to your computer; it also may limit your computer's access to the network. These security measures are designed to protect your computer from outsiders who'd like to exploit it in some way. By the same token, firewalls may prevent infected files on your computer from accessing the larger network and spreading the problem to other users.

HDMI (high-definition multimedia interface)—An output that some computers offer to transmit uncompressed (and ultimately high-quality) audio and video to a compatible HD display, such as an HDTV.

LCD (liquid-crystal display)—This technology sandwiches liquid crystals between thin sheets of glass. The crystals twist and untwist to allow and block light from a backlight, forming the images you see. Initially used mostly in notebook PCs, you'll now find LCDs in TVs and computer monitors, as well as digital cameras, cell phones, portable DVD players, and other devices.

mobile broadband—A communication technology, which is also called LTE, WiMAX, 3G, and 4G, that uses cell phone towers to connect devices to the Internet. Generally, you need a service contract, and it's only available in select cities.

operating system—The software, such as Windows Vista, Windows 7, or Mac OS X, that controls a computer and its peripherals and serves as the primary interface for users.

processor—Also known as a microprocessor or CPU, this integrated circuit controls the computer. Some CPUs feature two or four processors (called dual- and quad-core processors) on a single die or chassis, speeding up the computer and its ability to multitask.

RAM (random-access memory)—A type of memory that's read from and written to by the CPU and hardware.

streaming—The act of wirelessly transferring content from one device to another; for example, you can stream personal photos from a computer in the basement to a compatible HDTV in the living room.

tablet—Larger than a smartphone but smaller than a laptop, tablets are computing devices that often feature apps. Many have touchscreens that can be manipulated with a finger touch or stylus.

upgradeable—The ability to add or swap out hardware to boost a computer's performance or replace a defective or obsolete device or component. For instance, you may add more memory or swap out an older video card for a newer one that features an ATSC TV tuner so you can watch digital TV on your computer.

WLAN (wireless local-area network)—A setup that includes a wireless router and a number of Wi-Fi-enabled devices, such as notebooks and BD players, that communicate wirelessly to share files, media, etc.

COVER STORY

OnStar For My Vehicle

The Gift Of Safety

Winter weather is on its way, so protect the loved ones on your gift list by giving them an OnStar FMV rearview mirror system ($374.99 with basic installation*; www.bestbuy.com/onstar). And during December, receive a $100 instant rebate and save on all your holiday shopping.

PORTABLE DEVICES

OnStar FMV (For My Vehicle)
MSRP: $374.99 with basic installation | www.onstar.com

Emergency Help

If an icy bend on the highway causes you to plunge into a roadside ditch, help isn't far behind. With the press of a button, you can connect with an OnStar Advisor who can send emergency responders immediately. And if you're unable to call for help, a built-in sensor can detect the crash and automatically alert an Advisor.

Added Security

Not every emergency is life-threatening, but even so, an OnStar Advisor is available to help with Roadside Assistance. Whether you have a flat tire, run out of gas, or need someone to contact a towing service, you're covered. Likewise, should your car be stolen, an Advisor can contact the police and use the built-in GPS to help locate your car.

Navigate Easily

Meeting up for an out-of-town holiday party is simple when you can follow turn-by-turn directions with the press of a button. Using eNav, you can save multiple destinations and receive directions when you need them. And if you take a wrong turn, OnStar can detect it and ask if you need directions to get back on track.

Make Safe Calls

Winter road conditions make it more important than ever to keep your hands on the wheel and eyes on the road. That's why OnStar FMV integrates hands-free calling that you can use with prepaid minutes. Bluetooth-enabled phones can also be paired with the OnStar FMV so you can use the rearview mirror as a speakerphone.

*MSRP. Tax, installation, and monthly OnStar subscription extra. Visit www.onstar.com for availability, system limitations and details.

Portable Devices

Holiday Gifts

To give an awe-inspiring gift, you need to know the unique interests of those on your holiday list. A portable device, such as a GPS, MP3 player, or satellite radio, may be the ideal stocking stuffer, so be sure to consider the following.

SiriusXM Edge Dock & Play Radio
MSRP: $139.99 | SKU: 3153083

Navigate Outdoor Activities

Deep water fishing isn't fun if you don't catch anything. However, if you give your brother a GPS fish finder, he'll be able to pinpoint exactly where schools are passing by. Don't know what to give your golf-enthusiast cousin? Send him a golf GPS that displays thousands of course downloads and video flyovers. He can also jot down how many swings he took on a hole with a digital score card feature.

Multimedia Anywhere

When your sister unwraps an MP3 player with Wi-Fi capabilities, she'll be able to check Facebook, read ebooks, and listen to her MP3 collection—all on a single device. The media lovers in your family will appreciate MP3 accessories for portable charging, keeping their device protected for years to come, or connecting their device to home and car speaker systems.

Satellite Radio For Land & Sea

Your grandfather has been hinting all year at a satellite radio kit for his new truck. You can hook him up with an in-vehicle radio receiver, such as the SiriusXM Edge Dock & Play Radio shown in the chart on page 64, so all he'll need is the monthly subscription. Or, with a portable model, he can also listen when he's at home or on the go with optional accessories.

In-Car Tech

Holiday Gifts

During the holidays, most of us spend a great deal of time in our cars traveling to friend and family gatherings. Whether you're crossing names off your gift list or treating yourself, these in-car devices are sure to make your rides safer and more convenient.

PORTABLE DEVICES

OnStar FMV (For My Vehicle)
MSRP: $374.99 | SKU: 2224084

Car Security

Have peace of mind when you hit the road with a device that connects you with emergency responders if you're in a crash, get a flat tire, or lock your keys in your car. Some car security devices and services, such as the OnStar FMV on page 55, directly connect you to an agent that can give you directions, contact a tow or repair service, and more.

Car Stereo Deck

For the driver that wants to stay connected during her daily commute, a Bluetooth-capable car stereo deck that allows hands-free phone calls is an ideal solution. And road trips will be more entertaining because with most decks you can listen to CDs, MP3s, or connect your MP3 player to listen to your favorite tunes.

Remote Starter

When your vehicle is equipped with the latest remote start system, you can lock, arm, start, and locate your parked car. Some remote starters can also open your car trunk so you can easily stow an armload of groceries. More advanced systems use smartphone apps to perform the same actions.

GPS Navigation

Bring calm to the holiday hustle by letting an advanced portable GPS guide you to grandma's. With this device, you can take the most efficient route and be clearly notified which exits and lanes to use in unfamiliar areas. Some models provide lane-change guidance and may also offer lifetime map updates.

Pocket Size Storage & Sharing For Apple Devices

Kingston Wi-Drive

To help them make the most of their favorite devices, give the Apple fans on your holiday list a Kingston Wi-Drive. They'll enjoy being able to bring more content with them wirelessly when they're on the go.

Kingston Wi-Drive | MSRPs: $99.99 for 16GB; $129.99 for 32GB
SKUs: 3088369; 3088378 | www.kingston.com/wi-drive

How It Works

The pocket-sized Kingston Wi-Drive uses built-in Wi-Fi to connect with any Apple iPod touch; iPhone 3G, 3GS, and 4; or iPad to deliver content that won't fit on your device's internal storage. Simply back up files to a 16GB or 32GB Wi-Drive before you go, and you can access music, movies, ebooks, and more anywhere.

For On The Go

Because the Wi-Drive has Wi-Fi 802.11g/n embedded, you can spend less time being tethered to your computer and more time with your favorite media. Using the Wi-Drive app, enter your drive's password to wirelessly connect and you can use your Apple iPod touch, iPhone, or iPad as a media player or display.

Extra Storage

From media to project files, you can store up to 32GB with a Wi-Drive. Support includes popular audio, video, and image formats plus PDFs, Word documents, PowerPoint slideshows, and more. The Wi-Drive also allows iPad users to quickly and easily access content without using their device's auto sync.

Share With Others

To make the most of your file collection, the Wi-Drive can simultaneously share it with up to three others that have compatible Apple devices. A group of friends can use this feature for their own in-flight entertainment. In a business context, you can let clients view a PowerPoint presentation on their own screen.

Direct Connect Kits

Seamless Audio

If your car doesn't offer a built-in connection for an MP3 player, there are a few solutions to choose from. However, a direct connect kit is the easiest and best way to hook up your device and car audio system.

How They Work

To seamlessly integrate your MP3 player with your car stereo, a direct connect kit plugs into the back of a stereo deck and feeds a connection behind your dash to your MP3 player. It's likely a professional installer will run the connector for your MP3 player to your car's center console for easy and discrete access. Unlike FM transmitters or auxilliary cables, you won't need to program or plug in additional devices or cables to listen to your personal music.

Direct Benefits

Not only will your car maintain a clean factory look with a direct connect kit, but it will also use your MP3 player as an fully integrated audio source. Many kits will display song information on your stereo's display, let you change music using the deck instead of the player, and charge your player when its connected. You'll also enjoy listening to MP3s from your player with crystal-clear sound quality.

Installation

To add a direct connect kit to your car, it requires removing and replacing your car dash and disconnecting and connecting electrical wires. For that reason, most kits sold at your local CE retailer include a basic professional installation. It's also worth noting that not all direct connect kits work with every type of vehicle, so you should make sure the kit is compatible with your make and model before you buy it.

Gifts For The Mind & Body

Healthy Gadgets

Looking for more motivation to improve your physical well-being in the New Year? Be encouraged: there are many portable devices to help you stay committed, track your activities, and more.

Zeo Mobile Sleep Manager

MSRP: $99 | SKU: 2869936

This comprehensive system can help you track the quality of your sleep by measuring your restorative REM and Deep sleep. The Zeo Mobile Sleep Manager features an adjustable SoftWave sensor headband and works with your Bluetooth-enabled smartphone. To enhance your wellness, you can take control and manage your sleep using Zeo's free coaching program and online tools.

MOTOACTV Fitness Tracker & Smart Music Player

MSRP: $249 | SKU: 3754696

Fusing music and fitness, MOTOACTV can track every part of your workout using Accusense Technology and a GPS. As you push yourself, this smart music player will create playlists while it also records your time, distance, pace, and calories burned. Built tough, MOTOACTV is ideal for multiple sports, such as running, biking, or working out at the gym.

Fitbit Ultra Activity+Sleep Tracker

MSRP: $99.95

SKUs: 3440474 (plum); 9594824 (teal)

Fit fitness into your busiest days. Fitbit Ultra shows real-time stats, such as steps, distance, and calories burned, so you know how close you are to your goals throughout the day. This device even tracks your sleep. Small, and discreet, Ultra can be tucked into a pocket or clipped on a belt or bra. It also wirelessly uploads your fitness info so you can track it, share with friends and earn badges online, all for free.

iHealth iScale Wireless Bluetooth Scale

iHealth™

MSRP: $69.99 | SKU: 3224081

Working with a free app, the iHealth iScale will read and record your weight on your iPod touch, iPhone or iPad using a wireless Bluetooth connection. Track your progress and organize records using graph tools or set weight goals with a Milestone feature. The scale can also work with multiple mobile devices, so more than one person can use the technology.

Nike+ SportsWatch GPS Powered By TomTom

TOMTOM

MSRP: $199.99 | SKU: 2843064

The Nike+ SportsWatch GPS offers you a new running experience. The GPS receiver works in tandem with the shoe-based Nike+ Sensor to deliver highly accurate pace and distance data while in-run. Adds personalization and motivational features to the running experience, including audible sounds, challenges, run reminders, and more. Connects directly via your PC or Mac to www.nikeplus.com.

BodyMedia FIT LINK Armband

BODYMEDIA | FIT™

MSRP: $249.99 | SKU: 3440508

The Bluetooth-enabled LINK Armband communicates with your smartphone to provide real-time data. Capturing over 5,000 data points per minute using four sophisticated sensors, the FIT LINK armband tracks calories burned, steps taken, physical activity, and sleep. BodyMedia FIT LINK gives you the most accurate calorie burn in the market and has been clinically proven to improve weight loss by 3X.*

* data on file

Hear Your Tunes On The Go With An

MP3 Player

iPods are cool, sure, but you have other choices when it comes to listening to your tunes. This chart compares the most important—and coolest—features from select MP3 players.

		Operating system; Wi-Fi connectivity	Capacity	Video capabilities	FM tuner	Colors	Battery life
	What It Means	The device's software platform; ability to connect to the Internet	How much memory the player has**	Some MP3 players can play video	Some MP3 players let you listen to radio stations	Several players offer a variety of color choices	How long the battery will last when playing music
	Mach Speed Eclipse CLD4SL MSRP: $19.99* SKU 3615043	N/A; No	4GB	No	No	Silver	8 hours
	SanDisk Clip Zip MSRP: $49.99*; $69.99* SKU 3094053; 3099191	N/A; No	4GB; 8GB	No	Yes	Black, purple, red, gray, white, orange, blue	15 hours
	Sony Walkman W-Series NWZW262MEB MSRP: $59.99* SKU 3076121	N/A; No	2GB	No	No	Orange/black	8 hours
	Sony Walkman Video MSRP: $79.99*; $109.99*; $149.99* SKU 3076051; 3076088; 3076103	N/A; No	4GB; 8GB; 16GB	Yes	Yes	Pink, red, green, blue, black, white	50 hours
	Philips GoGear Muse MSRP: $124.96*; $143.77* SKU: 2597377; 2597252	N/A; No	8GB; 16GB	Yes	Yes	Aluminum	24 hours
	Philips Android Connect MSRP: $149.99*; $209.99* SKU: 3505092; 3505126	Android; Yes	8GB; 16GB	Yes	Yes	Black	25 hours
	Apple iPod touch MSRP: $199*; $299*; $399* SKU 3109302; 3109339; 3109357	iOS; Yes	8GB; 32GB; 64GB	Yes	No	Black, white	40 hours
	Samsung Galaxy Player 5.0 MSRP: $269.99* SKU 3521682	Android; Yes	8GB	Yes	Yes	White	60 hours

*Prices listed in this issue are for general reference and may vary from retailer pricing.
**One gigabyte of memory will hold approximately 250 songs. Actual capacity will vary depending on song length and format.

Track Your Workouts With A

Fitness Device

With a health and fitness device in hand, you can track how many steps you make, calories you burn, and more. By keeping tabs on your fitness activities, you can continue to progress and conquer new goals.

PORTABLE DEVICES

		Design type; Water resistance	Tracked activities	GPS functionality	Heart rate monitor type	Storage capacity; PC connectivity	Battery type; Battery life
	What It Means	How the device is worn; How far underwater the device can go	The different types of fitness data that can be collected by the device	Ability to measure your traveled distance and overall pace	Heart rate can be measured continuously with a chest strap or instantly with a wrist model	Internal data that can be saved; Upload data to your PC to share and analyze	How many hours the device will operate after a single battery charge
	Fitbit Ultra MSRP: $99.99* SKU 3440474 See p. 60	Clip, wristband, holster; N/A	Steps, distance, calories, sleep	No	N/A	7-day history (detailed), 30-day history (summarized); Yes, via USB base station	Not specified; 3 days (minimum), 5 to 7 days (typical)
	Sportline DUO 1060 MSRP: $119.99* SKU 9525793	Wristwatch; 164 feet	Steps, distance, calories, speed, heart rate	No	Chest strap	7 workouts; No	CR2032; N/A
	BodyMedia FIT LINK Armband MSRP: $249* SKU 3440508 See p. 61	Armband; N/A	Steps, body temp, sweat, calories, sleep	No	N/A	14-day history; Yes, via USB cable, Bluetooth	Lithium polymer; 2-4 days (typical)
	Garmin Forerunner 110 MSRP: $179.99* SKU 1159384	Wristwatch; 3.3 feet	Distance, calories, speed, pace	Yes	N/A	1,000 laps; Yes, via charging/USB data clip	Li-Ion; 3 weeks in power save mode and 8 hours in training mode
	MOTOACTV Fitness Tracker MSRP: $249* SKU 3754696 See p. 60	Wristwatch, belt clip; Rain-resistant	Distance, calories, speed, pace	Yes	No	8GB; Yes, via Wi-Fi, Bluetooth	Li-Ion; 2 weeks in power save mode,10 hours in training/ music mode
	Polar GPS Watch with Heart Rate Monitor MSRP: $329.99* SKU 9946395	Wristwatch; 98 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	100 training files; Yes (requires Polar Flowlink)	CR2025; N/A
	Nike+ SportsWatch MSRP: $199.99* SKU 2843064 See p. 61	Wristwatch; 164 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	N/A; Yes, via wireless USB	N/A; N/A
	Timex Ironman Global Trainer MSRP: $359.99* SKU 1165994	Wristwatch; 164 feet	Distance, calories, speed, pace, heart rate	Yes	Chest strap	1,000 laps; Yes, via USB cable	Li-Ion; 15 hours in GPS mode and 12 days in standby mode

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Welcome To The World Of Satellite Radio

SiriusXM Radios

Get over 130 channels, including commercial-free music plus the best sports, news, talk, comedy, and entertainment with a SiriusXM radio (www.siriusxm.com). Listen how you want, where you want, when you want with one of these SiriusXM choices.

PORTABLE DEVICES

Product Name SKU	XM Snap! 1166993	XM Onyx 9530215	SiriusXM Edge 3153083	Sirius Starmate 8 3152376	Sirius TTR1 9963392	XM XpressRCi 9825597	XM XMp3i with Home Kit 9825703
MSRP*	$59.99	$79.99	$139.99	$139.99	$149.99	$169.99	$199.99
Description	Easy-to-use, anywhere-you-drive Satellite Radio	Customize-it-your-way Satellite Radio for your vehicle and beyond	Get-more-channels Satellite Radio for your vehicle and beyond	Custom-colors-with-Replay-and-more Satellite Radio for your vehicle and beyond	All-in-one tabletop Internet Radio for your home or office	Loaded-with-features Satellite Radio for your vehicle and beyond	Carry-it-with-you, listen-any-where Satellite Radio and MP3 player
Offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for offers	See the in-store SiriusXM display for of-fers
Works In Vehicle	✓	✓	✓	✓	-	✓	✓ with optional kit
Works In Home/ Office	-	✓ with optional kit	✓ with optional kit	✓ with optional kit	✓	✓ with optional kit	✓
Station Presets	5	10	10	10	10	30	10
Display	Black and white	Customize-able full color	Full color with images	Customize-able full color	Single color	Full color with images	Full color with images
Pause, Rewind & Replay	-	-	✓	✓	-	✓	✓
Wi-Fi	-	-	-	-	✓	-	-
Access To XTRA CHANNELS	-	-	✓ + XTRA CHANNELS INCLUYE MÁS CANALES EN ESPAÑOL	-	✓ + XTRA CHANNELS INCLUYE MÁS CANALES EN ESPAÑOL	-	-

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Essential

Accessories

No matter where you're going, a portable device can add enjoyment to your journey. To ensure you're taking full advantage of the capabilities your portable devices offer, check your local CE retailer for accessories that can enhance your mobile experiences.

Docks & Speakers

A portable speaker dock lets you share the music and other audio on your MP3 player with friends and family at a party or get-together. Some docks include a built-in radio or CD player, while others can charge your MP3 player as you listen to your favorite tunes.

Headphones

With different shapes, sizes, and audio qualities, there's a pair to fit your needs. For example, earbuds are great if you need an ultra-portable travel option. However, if sound quality is more important, you should opt for over-the-ear noise-canceling headphones.

Cases & Screen Protectors

You can extend the life of your portable devices, such as mobile phones, MP3 players, and GPS devices, with a durable case to protect them from accidental bumps and drops. Adding a screen protector will guard your device's display against scratches.

Battery Chargers

Whether it's your phone, GPS, or MP3 player, you'll want to make sure your travel companion always has a full battery. Some chargers can plug into your computer or your car's DC outlet, but if these aren't an option, there are also chargers that use solar power or wall outlets.

MP3 Player

Glossary

Who doesn't want an MP3 player? It can help you relax, motivate you, and ensure you always have a song to match your mood. When you head to your local CE retailer to snag one, make sure you have this glossary so you can choose the perfect model.

AAC—Short for Advanced Audio Codec, this format is a competitor of the more common MP3 file format. It is the default format used by Apple.

Bluetooth—A wireless technology, supported by some MP3 players, that connects devices with short-range radio frequencies.

capacity—How much data a player can hold. This is typically expressed in gigabytes or megabytes. Generally speaking, 1GB will hold about 250 songs.

download—In terms of digital music, downloading is when you retrieve a song from an Internet site or another network connection and save it to your computer or portable music player. You can download songs from music Web sites such as iTunes, Napster, or Rhapsody.

DRM (digital rights management)—DRM is a security mechanism for digital media, associated with copyright. A common DRM scheme for digital music involves getting a licensed file to authorize playback of a free or purchased song.

earbuds—Small, circular devices you put into your ears so you can listen to music on your player. These serve the same function as headphones. Many music players include their own earbuds, but you can purchase a separate pair that is more comfortable or of better quality.

flash memory—Solid-state memory with no moving parts that is lightweight and small. In terms of digital music players, a flash-based player is lighter and smaller than a hard drive-based player, and also, it won't skip. Thus, flash-based players are popular for use during exercise. However, the capacity of a flash-based player isn't as large as a hard drive-based player.

FM tuner—If your music player has a built-in FM tuner, you will be able to listen to music that is broadcast from local radio stations.

hard drive—Storage that consists of rigid platters inside a fixed casing. In terms of digital music players, a hard drive-based player is larger and heavier than a flash-based player. Because of the moving parts (the platters), hard drive-based players are also prone to skipping. However, their capacities are much larger than those of flash-based players.

music management program—A program, such as iTunes or Napster, that loads onto your computer and lets you play, organize, download, and purchase media, such as music and videos, for your player or PC.

MP3—Perhaps the most popular digital audio encoding format. It compresses audio to about one-twelfth the original size while still providing excellent sound. In general, a 1MB MP3 file will last about one minute.

playlist—A queue of songs a user creates to play on a computer, burn to a CD, or transfer to an MP3 player. The playlist will only include directions to the location of the songs, not the actual songs themselves.

podcast—A downloadable episode that is similar to a radio program. A user can subscribe to a podcast for updated episodes, or she can download podcasts one at a time.

screen—The display on the front of a portable music player. A player's screen can either display in color or black and white.

WMA—Windows Media Audio is a digital audio format created by Microsoft.

widescreen—A screen that has a 16:9 aspect ratio.

Small Appliance

Holiday Gifts

The right appliance can make the perfect gift for wrapping up this holiday season. Here's a look at a few useful and fun possibilities.

One-Cup Coffee Maker

Forget measuring ground coffee or using filters. With a single-serve coffee maker, you can quickly pop in a coffee pod and brew a cup in under a minute. This is perfect for those who crave the freshest cup of joe they can get. And with a variety of pods to choose from, they can enjoy a different flavor with every cup.

Specialty Appliances

Are any of your friends or family fanatics about a certain treat, such as cake, cotton candy, ice cream, pop, or popcorn? Look for a specialty appliance that will let them make their own delectable treats at home. For example, delectable cake pops can easily be made in just minutes using a cake pop maker.

Personal Care Devices

Dad doesn't always have time to shave before he leaves for work, but with a rechargeable cordless shaver, he'll be able to shave during his commute. Other helpful personal care gift ideas include electronic toothbrushes, hair dryers and straighteners, and weight scales.

Garment Steamer

While an iron and ironing board are reliable for getting rid of wrinkles, they're hard on clothes and not suitable for delicate items. By giving a garment steamer to a loved one, they can make their clothes look their best and last longer. A steamer can also be used on household items, such as curtains and tablecloths.

Home For The Holidays

Get Ready To Host

Preparing your home for holiday gatherings and guests doesn't have to be a stressful undertaking when you've got the right appliances for every occasion. Keep reading to learn about your options.

For Group Gatherings

Buffet-style food service works well to feed a large number of people quickly. To ensure the hot dishes you slaved over all day remain piping hot, use a mini buffet server or chafing dish set to maintain the correct temperatures for your entrees, sauces, and side dishes.

For The Youngsters

Don't settle for candy in the kid's stockings for another year in a row. Instead, give them a gift that makes yummy treats a fun activity such as a cotton candy machine, soda maker, or mini cupcake maker. Or if you want to add some excitement to your holiday meal for the kids, use a chocolate fondue fountain for dessert.

For Quick Bites To Eat

With the big annual meal and opening gifts behind you, you need to figure out an easy way to feed a house full of hungry guests. Use a professional food slicer with a stainless-steel blade, and you can quickly slice up leftover turker or ham to make sandwiches for all.

For Satisfying Sweet Tooths

No matter how low the temperature dips outside, everyone still loves ice cream with a slice of pie or brownies. A home-made ice cream or yogurt maker not only makes smooth and creamy soft serve that everyone will enjoy, but it's also a fun kitchen activity the little ones can be a part of.

Essential

Accessories

After you've selected an appliance, you need to make sure you have all the necessary extras, such as cords or hoses for installation. By adding the accessories below, you can ensure your appliance's performance remains top-notch.

Water Lines

Many refrigerators include plastic water lines that are susceptible to twisting and leaking, but a water line made of copper or stainless steel will last longer. Similarly, washing machines with rubber hoses can burst, so you should upgrade to a stainless-steel hose. And reusing an old water line for your dishwasher can lead to water damage; instead, get a dishwasher kit that includes a water line and power cord if needed.

Electrical Cords

Many large appliances don't provide a power cord, so you'll want to make sure you pick one up. All new washer and dryer models use 4-prong cords, but models that were made before 1984 use a 3-prong cord. Likewise, dishwashers generally use a 3-prong cord, and you can purchase a kit that includes the cord as well as a water line. When it comes to ranges, you'll need either a 3- or 4-prong cord to match the electrical outlet in your home.

Natural Gas Flex Lines

Gas flex lines aren't included with kitchen ranges or laundry dryers that are fueled by gas, so you'll need to purchase one. (It's also worth noting that most professional installers will require a new gas line when setting up a new gas range or dryer in your home.) To protect your house against potential natural gas leaks, look for flex lines that have an auto shut-off feature.

Microsoft's Xbox LIVE & Kinect For Xbox 360

More Than Games

Your Xbox 360 was made for so much more than games: all the media you want to enjoy is accessible on the new Xbox LIVE dashboard. Using your voice or a gesture, you can watch on-demand programs, use apps, and share in-game moments on Facebook.

Together, Xbox LIVE and Kinect for Xbox 360 let you customize an immersive gaming and multimedia experience based on your interests. By tracking your full body movements with a motion sensor, Kinect eliminates the need for a controller. What's more, you can also use this technology to operate Xbox LIVE.

You Are The Controller

You no longer have to use a plastic controller to play games, control HD movies, or listen to streaming music. When you wave your hand at or talk to Kinect for Xbox 360, you tell your game console what you want to do next. The motion sensor follows your whole body, so you can move your hand to maneuver a pointer, gesture with your arm to explore the Kinect Guide, and speak commands to your Xbox 360.

The Right Setup

In order to enjoy all the great features on Kinect, the sensor should sit between two and six feet above the ground, preferably under the center of your TV. Make sure you have plenty of room to jump, kick, wave, and move in front of Kinect. For instance, if two people are playing a game together, each person should be at least eight feet away from the sensor. A single player may stand closer at just six feet away.

Games, Movies & Music

Kinect helps families have fun and play well together. A mom and daughter can spike virtual volleyballs on the same team. A son and his dad can enjoy their love of sports together while watching basketball replays. Out of state family members can chat with you via the HDTV in your living room. Kinect not only lets you connect with others and share content, but it also gives you the tools to personalize your media consumption.

Xbox 360 4GB Console with Kinect | MSRP: $299.99 | SKU: 1162439 | www.xbox.com

More Entertainment

Xbox LIVE brings you more movies, TV and sports options to enjoy instantly in your living room. Choose from a selection of entertainment apps from premium content providers and enjoy live and on-demand TV programming for everyone in the family. Plus, with Bing search and Kinect, finding the entertainment you want is now even easier. Just say what you are looking for, and Xbox will find it.

You Say It, Xbox Finds It

With Kinect for Xbox 360, you can use your voice to search and find your favorite entertainment across Xbox LIVE. The new voice search, powered by Bing, allows you to easily find the entertainment you are looking for, whether it's games, movies, TV shows, or music. You no longer need to browse entire libraries of content—just say what you are looking for, and the Xbox 360 will find it.

Social Experiences

Xbox LIVE also keeps you connected to friends and loved ones. No matter what you're doing on Xbox LIVE, you can set a Beacon and let Xbox LIVE and Facebook friends know that you'd like them to join your game. If you're hosting a family entertainment and gaming night, it's easy to choose family-friendly content. Plus, Video Kinect makes it easy to chat face-to-face without using a controller or headset.

Gaming, Media & More

Holiday Gifts

Sometimes the best gifts are those that can be enjoyed by everyone at your holiday party. Start a new tradition of togetherness with one of the following gift-giving ideas.

Yamaha P59B
MSRP: $549.99
SKU: 9797502

Gaming Furniture

After you're done opening gifts, the kids can retreat to the basement to try out their new gaming chairs. Many models have built-in speakers and a subwoofer to bring a game's soundtrack to life, while others sport vibration motors that pulse with each sound effect to immerse you in the action.

Karaoke Machines

It wasn't so long ago that a family's favorite past time was singing together. You can revive this tradition in your household with a karaoke machine. Take turns belting out your favorite holiday tunes by following on-screen lyrics or perform duets by adding a second microphone.

Learning System Consoles

Youngsters want to mimic their siblings and parents, even when it comes to tech. Rather than risk damage to your tablet or laptop, get them a kid-friendly learning system console. Most are shaped like small tablets or laptops with touchscreens or keyboards, and they feature activities that teach a variety of subjects.

Musical Instruments

Free your family's inner rock band by giving each member an instrument. Guitars and drums may seem like obvious picks, but harmonicas, autoharps, and ukuleles are some unique options. The little ones can even get in the act with an easy-to-play percussion instrument such as a triangle.

Enhance Your Multimedia & Devices

ION Audio

If you seek unique holiday gifts this year, give an ION Audio (www.ionaudio.com) device. They'll be able to play the piano or old-school arcade games on their iPod, iPad, or iPhone; convert vinyl tracks to MP3s; or transfer print photos to SD cards.

ION Audio Piano Apprentice Learning System for iPad, iPod & iPhone

MSRP: $99.99 | SKU: 2954536

- A compact 25-note piano with built-in speakers and touch-sensitive keys
- Teach yourself how to play the piano by downloading the free Piano Apprentice app on your iPad, iPod, and iPhone
- Simply place your hands on the keys that light up during the tutorial to learn as you go
- Read real music notation faster than you ever thought you could

ION Audio PICS 2 SD Photo, Slide & Film Scanner

MSRP: $149.99 | SKU: 1806207

- High-resolution 5.1MP scanner with color screen for viewing pictures
- Transfer photo prints, slides, and film negatives onto an SD memory card without using a computer
- Press one button to scan an image and turn it into a digital photo file in two seconds
- Can double as an SD memory card reader—drag and drop image files from the PICS 2 SD to your computer's hard drive

ION Audio iCade Arcade Cabinet For iPad

MSRP: $99.99 | SKU: 3158185

- The arcade-style cabinet features a cradle that securely holds your iPad during intense gameplay

- Over 170 compatible games including Atari's Greatest Hits featuring FREE Missile Command
- The iCade's arcade controls wirelessly connect to iPad, so you can start playing right away
- iCade's retro, authentic cabinet design brings back the nostalgia of true arcade entertainment

ION Audio iProfile Vinyl-to-MP3 Turntable For iPod

MSRP: $199.99 | SKU: 9473321

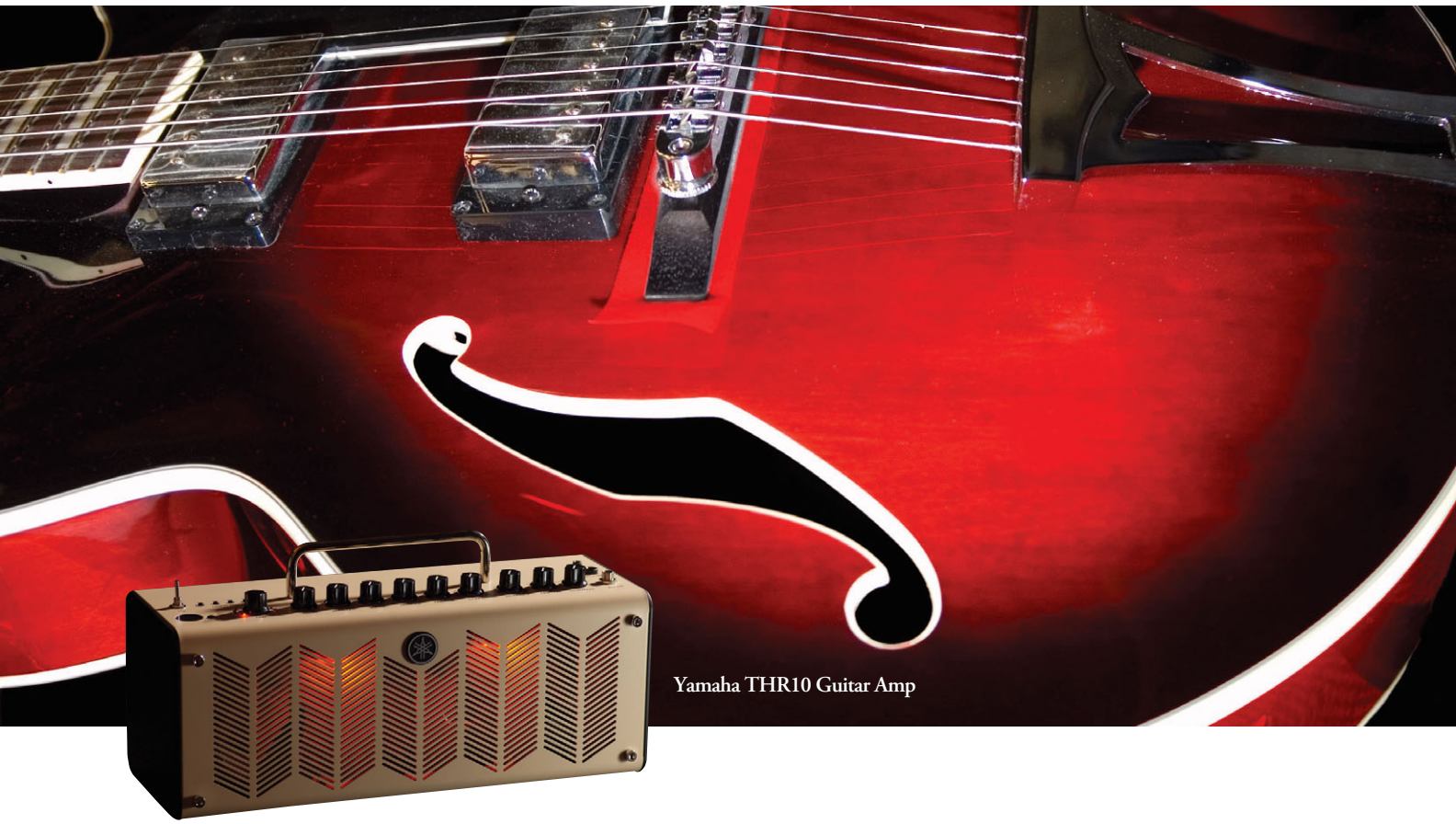
- A turntable with a built-in iPod and iPhone dock converts songs from vinyl records into MP3s—no computer needed
- Included EZ Vinyl/Tape Converter software walks you though the LP-to-MP3 conversion process

- USB cable to archive MP3 tracks on your PC or Mac
- Transfer songs from other music sources with a stereo 1/8-inch cable input
- Hinged dust cover protects needle and keeps slipmat clean

Get Started Playing Guitar

Musician's Corner

Learning to play the guitar is worthwhile for countless reasons. Arguably, the best is the years of musical joy it can bring you and your family and friends. Consider the following when shopping for a guitar.



Yamaha THR10 Guitar Amp

Know Your Type

Acoustic guitars are playable anywhere, don't require amplifiers to output sound, and fit into many musical settings. Electric guitars require amplifiers, but provide more volume and manipulation over tone. Bass guitars, meanwhile, can adapt to essentially any musical style, including country, heavy metal, hip hop, and jazz.

Get Hands On

Guitars shouldn't be treated as generic products because one model won't suit everyone's needs. Play as many different models as possible from various manufacturers before picking the one that looks, feels, and sounds pleasing to you. When buying for kids, choose a guitar that's shaped and sized for their smaller hands.

Accessories

For any guitar type, consider a case, picks, extra strings, and electric tuner as mandatory accessories. For electric and bass guitars, budget for a cable, strap, and amplifier, such as Yamaha's THR10 Guitar Amp on the next page. Optional accessories include a capo, effect pedals, cleaning kit, metronome, and recording equipment.

Learn Your Craft

Learning guitar is easier than ever, as video lessons, tutorials, and tips are readily available on CD/DVD. There are also instructional books that detail chords, scales, techniques, and more, but the most effective learning approach is taking individual guitar lessons from a trained instructor.

The Yamaha THR AMP Lineup

YAMAHA

A New Type Of Amp

When you add a Yamaha THR amp (www.usa.yamaha.com) to your guitar gear, you'll find more time to strum, slap, and pick when you're offstage. Unlike colossal amps made for stadium shows or smaller amps suited for intimate venues, a THR amp is able to go anywhere.

Yamaha THR5 Guitar Amp

$330.00 | SKU: 4172606

Whether it's in the living room, your hotel, or the office, the Yamaha THR5 is suitable to take anywhere. It offers:

- Five amp types: Modern, British High, Lead, Crunch, and Clean and 8 effects, including Chorus, Flanger, and Delay
- A dual-powered battery to crank out solos using AC or battery power, giving you more options to suit your needs
- Cubase AI production software to professionally record and edit your tracks
- USB and auxiliary inputs to connect to your PC, smartphone, or MP3 player

Yamaha THR10 Guitar Amp

$460.00 | SKU: 4172572

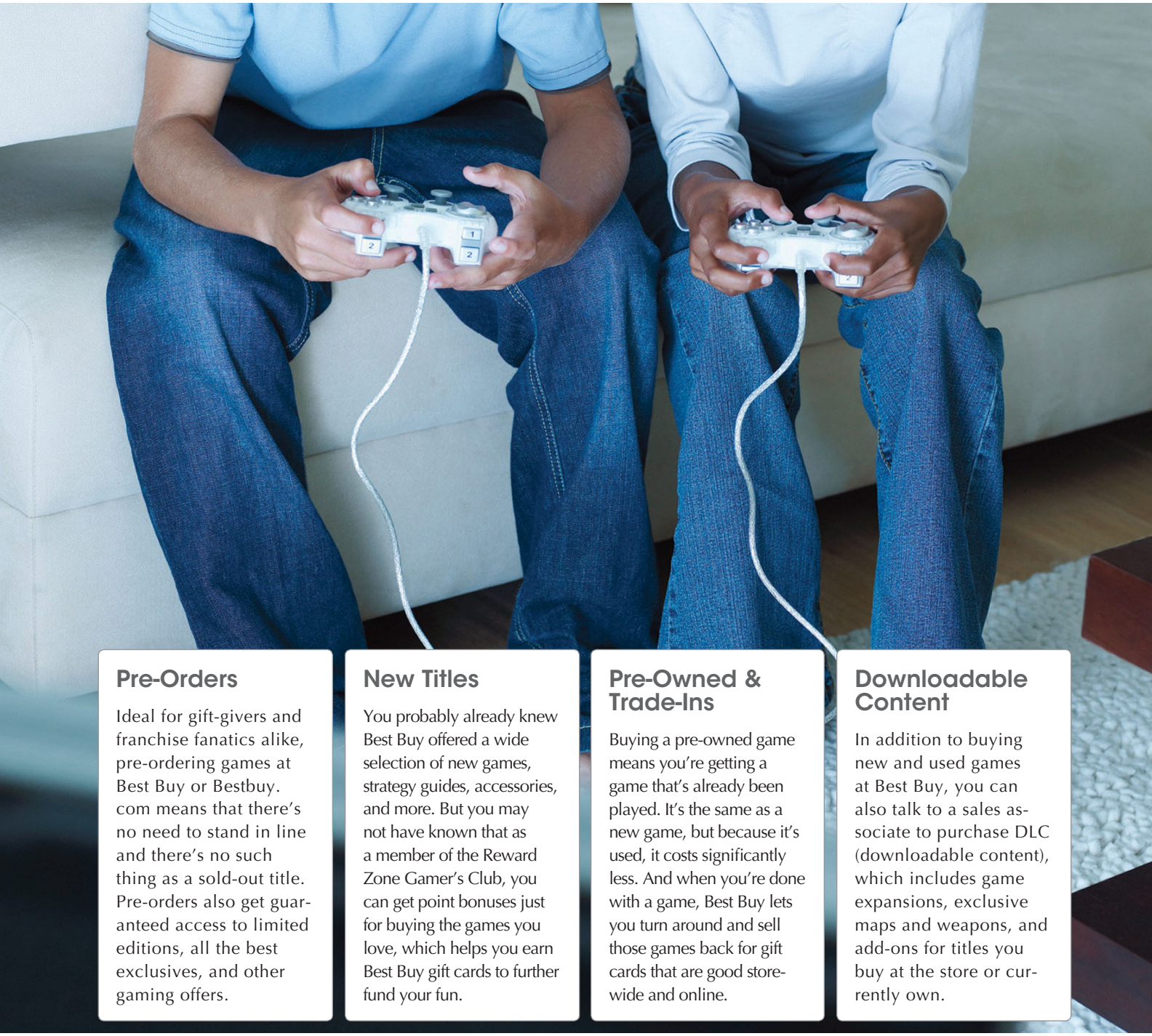
Building on the same features as the THR5, the THR10 is designed to deliver the tonal capacity and Hi-Fi stereo output needed for a broad audio landscape. It includes:

- Eight amp types: Clean, Crunch, Lead, Brit Hi, Modern, Bass, Aco, and Flat plus 8 effects, including Chorus, Flanger, and Delay
- Real tube amp tone and dynamics, delivering great sound even at low volumes
- A user memory that can save up to five controller and switch settings, so you can demo songs during jam sessions

Get The Most Out Of Your Gaming

Trade & Pre-Order

Best Buy offers solutions so you can get games for less, use your existing library to fund a new one, obtain a hot title the day it launches, and get exclusive in-game extras with downloadable content. Here's an overview of how you can expand your gaming experience.



Pre-Orders

Ideal for gift-givers and franchise fanatics alike, pre-ordering games at Best Buy or Bestbuy.com means that there's no need to stand in line and there's no such thing as a sold-out title. Pre-orders also get guaranteed access to limited editions, all the best exclusives, and other gaming offers.

New Titles

You probably already knew Best Buy offered a wide selection of new games, strategy guides, accessories, and more. But you may not have known that as a member of the Reward Zone Gamer's Club, you can get point bonuses just for buying the games you love, which helps you earn Best Buy gift cards to further fund your fun.

Pre-Owned & Trade-Ins

Buying a pre-owned game means you're getting a game that's already been played. It's the same as a new game, but because it's used, it costs significantly less. And when you're done with a game, Best Buy lets you turn around and sell those games back for gift cards that are good storewide and online.

Downloadable Content

In addition to buying new and used games at Best Buy, you can also talk to a sales associate to purchase DLC (downloadable content), which includes game expansions, exclusive maps and weapons, and add-ons for titles you buy at the store or currently own.

Games For PlayStation 3, Xbox 360 & Wii

Hot Holiday Releases

What better time than the holidays for family or solo gaming action? When the festivities are over and Jack Frost is at the door, pick up some exciting, interactive entertainment.

	Date	MSRP*	ESRB Rating	Sony Play Station 3	Microsoft Xbox 360	Nintendo Wii
December						
Dance Central 2 (Kinect)	10/25	$49.99	Teen		X	
Kinect Sports: Season 2	10/25	$49.99	Everyone		X	
Cabela's Adventure Camp	11/1	$29.99 to $39.99	Everyone	X	X	X
Cabela's Big Game Hunter: Hunting Party	11/1	$69.99	Teen		X	
Uncharted 3: Drake's Deception	11/1	$59.99 to $99.99	Teen	X		
Call of Duty: Modern Warfare 3	11/8	$49.99 to $	Mature	X	X	X
Metal Gear Solid HD Collection	11/8	$49.99	Mature	X	X	
LEGO Harry Potter: Years 5-7	11/11	$29.99 to $49.99	Everyone 10+	X	X	X
The Elder Scrolls V: Skyrim	11/11	$59.99 to $149.99	Mature	X	X	
Assassin's Creed: Revelations	11/15	$49.99 to $59.99	Mature	X	X	
Batman: Arkham City	11/15	$49.99	Teen	X	X	
Halo: Combat Evolved Anniversary	11/15	$39.99	Mature		X	
Kinect: Disneyland Adventures	11/15	$49.99	Everyone 10+		X	
L.A. Noire: Complete Edition	11/15	$49.99	Mature	X	X	
Saints Row: The Third	11/15	$59.99 to $99.99	Mature	X	X	
WWE '12	11/22	$49.99 to $59.99	Rating Pending	X	X	X
Need For Speed: The Run Limited Edition	11/15	$49.99 to $59.99	Teen	X	X	
Ultimate Marvel vs. Capcom 3	11/15	$39.99	Teen	X	X	
The Legend of Zelda: Skyward Sword	11/20	$49.99 to $69.99	Everyone 10+			X
The Oregon Trail 40th Anniversary Edition	11/29	$19.99	Everyone 10+			X

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Call of Duty: Modern Warfare 3

Rating: Mature | MSRP*: $59.99| SKU: 2670133

Release Date: 11/8

Kinect: Disneyland Adventures

Rating: Everyone 10+ | MSRP*: $49.99 | SKU: 2897073

Release Date: 11/15

Need For Speed: The Run Limited Edition

Rating: Teen | MSRP*: $49.99 to $59.99 | SKU: 2678241

Release Date: 11/15

This Month's

Blu-ray Disc RELEASES

December	Date	MSRP*	SKU	Rating
Heavenly Creatures	12/13	$14.99	4033402	R
2012 Zombie Apocalypse	12/27	$19.99	19641674	R
Blackthorn	12/20	$24.99	4006348	R
Catch .44	12/20	$24.99	3977467	R
City of God	12/13	$14.99	4033448	R
Cowboys & Aliens	12/6	$24.99	3869536	PG-13
Dolphin Tale	12/20	$24.99	3839554	PG
Dragonball Z: Level 1.2	12/13	$29.99	4006171	TVPG
Fairy Tail	12/27	$49.99	4006092	TV14
Final Destination 5	12/27	$24.99	3839536	R
Fright Night	12/13	$29.99	4004067	R
Futurama 6	12/20	$28.99	3977033	TV14
In The Name Of The King 2: Two Worlds	12/27	$24.99	19710647	PG-13
Kung Fu Panda 2	12/13	$29.99	3869315	PG
Midnight In Paris	12/20	$24.99	4025467	PG-13
Mission Impossible	12/6	$14.99	3904654	PG-13
Mission Impossible 2	12/6	$14.99	3904672	PG-13
Mission Impossible 3	12/6	$14.99	3904718	PG-13
Mission Impossible Giftset Collection	12/6	$29.99	3904736	PG-13
Mr Popper's Penguins	12/6	$29.99	4033324	PG
Point Blank	12/6	$24.99	4006241	R
Rise Of The Planet Of The Apes	12/13	$34.99	3977051	PG-13
Simpsons: Season 14	12/6	$49.99	4033342	TVPG
Smurfs	12/2	$29.99	3968087	PG
Tanner Hall	12/6	$24.99	4016211	R
The Debt	12/6	$24.99	3697728	R
The Hangover Part II	12/6	$24.99	3839563	R
The Help	12/6	$34.99	3804882	PG-13
The Pool Boys	12/27	$24.99	19640657	R
Transformers Trilogy	12/13	$89.99	19738761	PG-13
Underworld/Underworld: Evolution	12/20	$44.99	4025519	R
Velvet Goldmine	12/13	$14.99	4033411	R

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Kung Fu Panda 2

Rating: PG | MSRP*: $29.99| SKU: 3869315

Release Date: 12/13

Rise Of The Planet Of The Apes

Rating: PG-13 | MSRP*: $34.99 | SKU: 3977051

Release Date: 12/13

Transformers Trilogy

Rating: PG-13 | MSRP*: $89.99 | SKU: 19738761

Release Date: 12/13

Find Material That's Appropriate For Your Kids

ESRB Game RATINGS & DESCRIPTIONS

ESRB (Entertainment Software Rating Board) Ratings

In order for parents to select gaming software appropriate for their children, ESRB (www.esrb.org) ratings are listed on the front and back of most game packages to provide concise and impartial details about a title's content.

Early Childhood. Titles with this rating have content that may be suitable for children ages 3 and older. These software titles contain no material that parents would find inappropriate.

Everyone. Titles with this rating have content that may be suitable for children ages 6 and older. Games in this category may contain minimal cartoon, fantasy, or mild violence and infrequent use of mild language.

Everyone 10+. Titles with this rating have content that may be suitable for children ages 10 and older. Games in this category may contain more cartoon, fantasy, or mild violence and language as well as minimal suggestive themes.

Teen. Titles with this rating have content that may be suitable for children ages 13 and older. Titles in this category may contain violence, suggestive themes, crude humor, minimal blood, simulated gambling, or infrequent use of strong language.

Mature. Titles with this rating have content that may be suitable for persons ages 17 and older. Games in this category may contain intense violence, blood and gore, sexual content, or strong language.

Adults Only. Titles with this rating have content that is only suitable for persons 18 years and older. Games in this category may include prolonged scenes of intense violence, graphic sexual content, or nudity.

For additional information, ESRB ratings on the back of game packages include content descriptions and depictions.

GAMING FOR PARENTS

Aside from checking a game's ESRB rating, there are other ways you can ensure the games your youngsters are playing are age-appropriate.

- Carefully look at everything on a title's packaging, including the game graphics.
- Find game reviews, screen shots, or demos to get a better idea of a game's content.
- If available, use the game's parental controls to restrict inappropriate content.
- Learn about games by talk-ing to other parents and older children who are familiar with or have played certain titles.
- Participate in your children's gaming and discuss their games as much as possible.
- Be aware of nonrated ESRB material a game may contain. "Mods" are program downloads that can alter a game's content, and online games often have live player chats as well as other user-generated content.

Get The Most Entertainment From A

Game System

Game consoles and portable devices are no longer limited to gameplay. They can also access the Internet, download media, and play your favorite DVDs or CDs. To help you find one that suits you best, here's a comparison of models at your local CE retailer.

		Storage space	Compatible memory cards	Optical drive	Video resolution output	Ports	Online community
	What It Means	How much data the system can hold	Cards that will let you save and offload data, such as game saves or personal media	Aside from game discs, other playable media formats	Highest number of video pixels that is sent to a TV or portable console screen	Hookups for controllers as well as video and audio outputs	Web site membership for downloads, upgrades, and more
Console Devices	**Sony PlayStation 3** 160GB MSRP: $249.99* SKU 3061302	160GB	PlayStation and PlayStation 2 cards with optional USB memory card adapter	CD, DVD, BD	1,920 x 1,080	1 A/V, 1 Ethernet, 1 HDMI, 1 optical digital audio, 2 USB	Yes, free PlayStation Network membership
Console Devices	**Nintendo Wii** MSRP: $149.99* SKU 3668575	512MB	SD/Nintendo GameCube Memory Card	Can only play game titles	720 x 480	4 controller, 1 A/V Multi Out, 2 USB	Nintendo Wi-Fi Connection
Console Devices	**Microsoft Xbox 360 250GB Console** MSRP: $199.99* SKU 1162184	250GB	USB flash drive	CD, DVD	1,920 x 1,080	1 optical audio out, 1 Ethernet, 1 HDMI, 5 USB, Kinect port	Xbox LIVE
Portable Devices	**Nintendo 3DS** MSRP: $169.99* SKU 1824267	N/A	SD	None	Upper: 800 x 240 (3D) Lower: 320 x 240	1 headphone	Nintendo Wi-Fi Connection
Portable Devices	**Nintendo DSi** MSRP: $149.99* SKU 9249725	256MB	SD	None	Dual 256 x 192	1 headphone, 1 microphone	Nintendo Wi-Fi Connection
Portable Devices	**Nintendo DSi XL** MSRP: $169.99* SKU 9760166	256MB	SD	None	Dual 256 x 192	1 headphone, 1 microphone	Nintendo Wi-Fi Connection
Portable Devices	**Sony PlayStation Portable 3000** MSRP: $129.99* SKU 9175082	64MB	Memory Stick Duo	UMD (Universal Media Disc)	480 x 272	1 video out/ headset, 1 USB, 1 DC out	Yes, PlayStation Network

Wi-Fi access; Media streaming	Parental controls	Compatible game formats	Included accessories & services	Available accessories	Controllers	Perfect for
Access the Internet without a cable hookup; send and receive media wirelessly	Helps parents decide what content their kids can or cannot access	Game titles that can be played on the game system	Accessories included with the console	Extras that can help enhance your gameplay	Included controllers; wired/wireless controller compatibility	Who can benefit from the special features the gaming system offers
Yes, 802.11b/g; Yes—Netflix and content from your home network	Options available for games, BDs, DVDs, and Internet access	Sony PlayStation 3 titles and select PlayStation titles	DualShock 3 wireless controller, USB cable, PlayStation Network membership, A/V cable	Move Navigation controller, Blu-ray remote, Bluetooth headset, memory card adapter, wireless keypad, cables	Includes 1 DualShock 3 wireless controller; wireless	Someone who wants the value of a full gaming system with a BD player and media streaming
Yes, 802.11b/g; Yes—Netflix	Options available for games, online features and downloads, and more	Nintendo GameCube and Wii titles	Wii remote and nunchuck, sensor bar, New Super Mario game, console stand, A/V cable, adapter	Wireless Wii remote, wheel, classic (wired) controllers, wireless sensor bar	Includes 1 wireless Wii remote and nunchuck; both (some titles require a wired remote)	Gamers of any age who want a unique wireless gaming experience that requires little gaming knowledge
Yes, 802.11n; Yes—Netflix and content from your home network	Options available for games, Xbox LIVE, console play time, and a Family Settings pass code	Xbox 360 supports backward compatibility of the original Xbox, Xbox 360, and Xbox LIVE Arcade titles	Wireless controller, headset, A/V cable, free one-month trial to Xbox LIVE Gold	Xbox Kinect, HDMI cable, USB flash drive, Xbox LIVE headset, Play & Charge Kit	Includes 1 wireless controller; wireless	Those who want an Xbox console with a Kinect Sensor to play games only with body movement, built-in wireless capabilities, and more
Yes; Yes	Options available for games, specific wireless connectivity, 3D functionality, and more	Nintendo 3DS titles and nearly all Nintendo DSi and Nintendo DS titles	Charging cradle, AC adapter, stylus, 2GB SD card, 6 AR cards	Cases, adapters, screen shields	N/A	Users who want a handheld game system that supports 3D games
Yes; Yes	Options available for Nintendo DSi content	Nintendo DSi and Nintendo DS titles	AC adapter, 2 styli	Audio headset, battery power pack, screen protectors, carrying cases, styli	N/A	Users who want a handheld gaming system that lets them take, personalize, and share photos
Yes; Yes	Options available for DSi software, DSi Browser, DSi Shop, and more	N/A	Rechargeable battery, AC adapter, stylus, and 4 preinstalled titles	Cases, adapters, headphones, full-sized stylus	N/A	Those who want a handheld gaming system better-suited for social gaming with a large screen
Yes, 802.11b; Yes	Included	Available for download from PlayStation store	AC adapter, USB cable	Protective screen film, cradle, headphones, memory cards, cases	N/A	Those who need a bigger screen for their gaming, Internet, and media entertainment

*Prices listed in this issue are for general reference and may vary from retailer pricing.

Essential

Accessories

The console gaming experience goes beyond the game itself—you need the right peripherals as well. Here's a look at a few must-have items that will enhance your gameplay.

Headsets

If you want to hear your opponents better and strategize out loud in multiplayer games, you need a headset. Some models offer noise-canceling and echo-minimizing mics so you can hear and be heard clearly. For immersive gameplay, you'll also find headsets that simulate surround sound.

Wireless Controllers

Instead of being tethered to a game console by a controller wire, you can move about as you game with a wireless controller that uses Bluetooth technology. There are models that use AAA batteries to sustain your playing time. And if you need a controller that's easier on your hands, there are ergonomic options.

Cases

For those with a portable game console meant for on-the-go use, a case will protect the device from accidental bumps, drops, and scratches. Cases with zippered compartments, padding, mesh interior pockets, and hooks or carrying handles help keep all of your portable console's media, styli, chargers, and more in one secure spot.

Furniture

Upgrade to first class seating in your game room with a dedicated gaming chair. Many models have built-in speakers that will make you feel like you're in the middle of your game's action. Gaming chairs with integrated vibration motors pulse with the sounds of your game, making every move even more realistic.

Entertain Holiday Guests

The holidays are fast approaching, so it's time to begin preparing your home for visiting family and friends. Get everyone in the holiday spirit by spending time together with these entertaining ideas.

BEST BUY CinemaNow

Best Buy CinemaNow

Spend some quality time together watching a favorite movie with Best Buy's CinemaNow service, made possible by the Intel Insider processor technology built into Intel's 2nd Gen Core CPUs.

Olympus E-PM1 Digital Camera

Capture holiday memories with this 12MP digital camera, which features interchangeable lenses, a 3-inch LCD screen, and a 1080p HD movie mode.

$499.99 | SKU: 3008049

Microsoft Xbox 360 With Kinect

Let the kids take turns jumping, spinning, kicking, and laughing while they play Kinect games on the Xbox 360 game console. This model has a 4GB hard drive and included Kinect Adventures game.

$299.99 | SKU: 1162439

SiriusXM TTR1 Tabletop Internet Radio

Crank up your favorite holiday music station with this Internet radio which features full-range speakers and a display that provides artist and song information. Note that a SiriusXM Internet Radio subscription is required for use.

$149.99 | SKU: 9963392

ION Audio PICS Photo, Slide & Film Scanner

Breathe new life into photo memories from holidays past with this scanner. Transfer photo prints, slides, and film negatives to a media card for editing on your computer or viewing on your HDTV.

$149.99 | SKU: 1806207

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